

Arg Ala Ala Gly Pro Ala Ala Ala Val Pro Gly Ala Arg Val Val
65 70 75 80

Cys Gly Gly Ser Arg Pro Arg Gln Gln Val Asp Ser Ser Lys Glu Ser
85 90 95

Ala Glu Ala Ala Cys Asp Ile Leu Ser Gln Leu Val Asn Cys Ser Leu
100 105 110

Lys Thr Leu Gly Leu Ile Ser Thr Ala Arg Pro Ser Phe Met Asp Leu
115 120 125

Pro Lys Ser His Phe Ile Ser Ala Leu Thr Val Val Phe Val Asn Ser
130 135 140

Lys Ser Leu Ser Ser Leu Lys Ile Asp Asp Thr Pro Val Asp Asp Pro
145 150 155 160

Ser Leu Lys Val Leu Val Ala Asn Asn Ser Asp Thr Leu Lys Leu Leu
165 170 175

Lys Met Ser Ser Cys Pro His Val Ser Pro Ala Gly Ile Leu Cys Val
180 185 190

Ala Asp Gln Cys His Gly Leu Arg Glu Leu Ala Leu Asn Tyr His Leu
195 200 205

Leu Ser Asp Glu Leu Leu Leu Ala Leu Ser Ser Glu Lys His Val Arg
210 215 220

Leu Glu His Leu Arg Ile Asp Val Val Ser Glu Asn Pro Gly Gln Thr
225 230 235 240

His Phe His Thr Ile Gln Lys Ser Ser Trp Asp Ala Phe Ile Arg His
245 250 255

Ser Pro Lys Val Asn Leu Val Met Tyr Phe Phe Leu Tyr Glu Glu Glu
260 265 270

Phe Asp Pro Phe Phe Arg Tyr Glu Ile Pro Ala Thr His Leu Tyr Phe
275 280 285

Gly Arg Ser Val Ser Lys Asp Val Leu Gly Arg Val Gly Met Thr Cys
290 295 300

Pro Arg Leu Val Glu Leu Val Val Cys Ala Asn Gly Leu Arg Pro Leu
305 310 315 320

Asp Glu Glu Leu Ile Arg Ile Ala Glu Arg Cys Lys Asn Leu Ser Ala
325 330 335

Ile Gly Leu Gly Glu Cys Glu Val Ser Cys Ser Ala Phe Val Glu Phe
 340 345 350

Val Lys Met Cys Gly Gly Arg Leu Ser Gln Leu Ser Ile Met Glu Glu
 355 360 365

Val Leu Ile Pro Asp Gln Lys Tyr Ser Leu Glu Gln Ile His Trp Glu
 370 375 380

Val Ser Lys His Leu Gly Arg Val Trp Phe Pro Asp Met Met Pro Thr
 385 390 395 400

Trp

<210> 1559

<211> 108

<212> PRT

<213> Homo sapiens

<400> 1559

Ala Gly Ala Gly Gly Arg Val Gly Asp Arg Ala Gly Val Arg Glu Arg
 1 5 10 15

Gln Gln Ser Gly His Arg His Ser Glu Gln Pro Arg Arg Arg Leu Cys
 20 25 30

Val Pro Val Asp Cys Leu Ala Ala Pro Ser Pro Thr Pro Arg Phe Leu
 35 40 45

Val Lys Arg Leu Arg Ala Ala Val Trp Gly Gly Gly Val Trp Ser Arg
 50 55 60

Val Leu Cys Pro Gln Trp Leu Leu Ser Gly Gly Arg Leu Phe Ala Glu
 65 70 75 80

Val Arg Arg Asp Ser Leu Gly Val Glu His Ile Thr Gly Phe Gly Cys
 85 90 95

Leu Val Cys Glu His His Arg Val Cys Gly Cys Thr
 100 105

<210> 1560

<211> 68

<212> PRT

<213> Homo sapiens

<400> 1560

Glu Leu Ser Pro Leu Ser Phe Arg Ser Thr Arg Gly Phe His Thr Tyr
1 5 10 15

Phe Ile Glu His Pro Phe Ile Phe Ile Ser Val Tyr Arg Thr Lys Lys
20 25 30

Asn Ser Ser Val Lys Asn Leu Cys Cys Gly Leu Ser Ile Phe Ala Ala
35 40 45

Phe Gly Leu Arg Trp Arg Ile Lys Ala Ser Leu Pro Leu Ser Ser Val
50 55 60

Phe Arg Lys Leu
65

<210> 1561

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1561

Leu Met Met Thr Ile Tyr Ala Leu Ser Asn Glu Phe Ala Phe Lys Ile
1 5 10 15

Asn Glu Glu Gln Leu Ser Phe Phe Pro Leu Leu Ser Val Gln Leu Trp
20 25 30

His Ala Gln Arg Phe Leu Leu Asp Ser Ser Trp Ser Gly Val Ile Pro
35 40 45

Phe Phe Phe Ser Cys Ser Cys Leu Pro Phe Leu Tyr Pro Pro Lys Trp
50 55 60

Arg Gln Ile His Asp Leu Lys Asp Thr Gln Tyr Leu Leu Asn Ser Ser
65 70 75 80

<210> 1562

<211> 198

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1562

Arg	Gly	Leu	Xaa	Ser	Arg	Gly	Ala	Gly	Gln	Val	Pro	Gly	Cys	Leu	Gly
1				5					10					15	

Trp	His	Arg	Ser	Val	Val	Pro	Gly	Gly	Ala	Val	Ala	Ala	Leu	Pro	Pro
			20					25					30		

Ser	Arg	Arg	Gln	Arg	Val	Arg	Gly	Pro	Val	Arg	Pro	Glu	Pro	Gly	Ala
		35					40					45			

Thr	Pro	Arg	Ala	Val	Leu	Gly	Glu	Thr	Arg	Val	Pro	Val	Leu	Arg	Leu
	50					55					60				

Leu	Leu	Gly	Ser	Ala	Leu	Val	Gly	Arg	Leu	Leu	Asp	Ser	Leu	Lys	Arg
65					70					75				80	

Asp	Tyr	Ala	Gly	Lys	Pro	Gln	Pro	Pro	Ile	Lys	Ser	Glu	Arg	Arg	Asn
				85					90					95	

Pro	Pro	Ser	Tyr	Ala	Met	Ala	Gly	Lys	Lys	Val	Leu	Ile	Val	Tyr	Ala
		100						105					110		

His	Gln	Glu	Pro	Lys	Ser	Phe	Asn	Gly	Ser	Leu	Lys	Asn	Val	Ala	Val
	115						120					125			

Asp	Glu	Leu	Ser	Arg	Gln	Gly	Cys	Thr	Val	Thr	Val	Ser	Asp	Leu	Tyr
	130					135					140				

Ala	Met	Asn	Phe	Glu	Pro	Arg	Ala	Thr	Asp	Lys	Asp	Ile	Thr	Gly	Thr
145					150					155					160

Leu	Ser	Asn	Pro	Glu	Val	Phe	Asn	Tyr	Gly	Val	Glu	Thr	His	Glu	Ala
			165						170					175	

Tyr	Lys	Gln	Arg	Ser	Leu	Ala	Ser	Asp	Ile	Thr	Asp	Glu	Gln	Lys	Lys
			180					185						190	

Xaa	Ser	Gly	Arg	Leu	Thr
					195

<210> 1563

<211> 488

<212> PRT

<213> Homo sapiens

<400> 1563

Gly Arg Glu Ala Ser Lys Met Ala Gln Thr Gln Gly Thr Arg Arg Lys
1 5 10 15

Val Cys Tyr Tyr Tyr Asp Gly Asp Val Gly Asn Tyr Tyr Tyr Gly Gln
20 25 30

Gly His Pro Met Lys Pro His Arg Ile Arg Met Thr His Asn Leu Leu
35 40 45

Leu Asn Tyr Gly Leu Tyr Arg Lys Met Glu Ile Tyr Arg Pro His Lys
50 55 60

Ala Asn Ala Glu Glu Met Thr Lys Tyr His Ser Asp Asp Tyr Ile Lys
65 70 75 80

Phe Leu Arg Ser Ile Arg Pro Asp Asn Met Ser Glu Tyr Ser Lys Gln
85 90 95

Met Gln Arg Phe Asn Val Gly Glu Asp Cys Pro Val Phe Asp Gly Leu
100 105 110

Phe Glu Phe Cys Gln Leu Ser Thr Gly Gly Ser Val Ala Ser Ala Val
115 120 125

Lys Leu Asn Lys Gln Gln Thr Asp Ile Ala Val Asn Trp Ala Gly Gly
130 135 140

Leu His His Ala Lys Lys Ser Glu Ala Ser Gly Phe Cys Tyr Val Asn
145 150 155 160

Asp Ile Val Leu Ala Ile Leu Glu Leu Lys Tyr His Gln Arg Val
165 170 175

Leu Tyr Ile Asp Ile Asp Ile His His Gly Asp Gly Val Glu Glu Ala
180 185 190

Phe Tyr Thr Thr Asp Arg Val Met Thr Val Ser Phe His Lys Tyr Gly
195 200 205

Glu Tyr Phe Pro Gly Thr Gly Asp Leu Arg Asp Ile Gly Ala Gly Lys
210 215 220

Gly Lys Tyr Tyr Ala Val Asn Tyr Pro Leu Arg Asp Gly Ile Asp Asp
225 230 235 240

Glu Ser Tyr Glu Ala Ile Phe Lys Pro Val Met Ser Lys Val Met Glu

245 250 255
Met Phe Gln Pro Ser Ala Val Val Leu Gln Cys Gly Ser Asp Ser Leu
260 265 270
Ser Gly Asp Arg Leu Gly Cys Phe Asn Leu Thr Ile Lys Gly His Ala
275 280 285
Lys Cys Val Glu Phe Val Lys Ser Phe Asn Leu Pro Met Leu Met Leu
290 295 300
Gly Gly Gly Gly Tyr Thr Ile Arg Asn Val Ala Arg Cys Trp Thr Tyr
305 310 315 320
Glu Thr Ala Val Ala Leu Asp Thr Glu Ile Pro Asn Glu Leu Pro Tyr
325 330 335
Asn Asp Tyr Phe Glu Tyr Phe Gly Pro Asp Phe Lys Leu His Ile Ser
340 345 350
Pro Ser Asn Met Thr Asn Gln Asn Thr Asn Glu Tyr Leu Glu Lys Ile
355 360 365
Lys Gln Arg Leu Phe Glu Asn Leu Arg Met Leu Pro His Ala Pro Gly
370 375 380
Val Gln Met Gln Ala Ile Pro Glu Asp Ala Ile Pro Glu Glu Ser Gly
385 390 395 400
Asp Glu Asp Glu Asp Asp Pro Asp Lys Arg Ile Ser Ile Cys Ser Ser
405 410 415
Asp Lys Arg Ile Ala Cys Glu Glu Glu Phe Ser Asp Ser Glu Glu Glu
420 425 430
Gly Glu Gly Gly Arg Lys Asn Ser Ser Asn Phe Lys Lys Ala Lys Arg
435 440 445
Val Lys Thr Glu Asp Glu Lys Glu Lys Asp Pro Glu Glu Lys Lys Glu
450 455 460
Val Thr Glu Glu Glu Lys Thr Lys Glu Glu Lys Pro Glu Ala Lys Gly
465 470 475 480
Val Lys Glu Glu Val Lys Leu Ala
485

<210> 1564

<211> 197

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (155)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (178)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (179)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (187)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1564
 Ala Arg Ser Ser Leu Trp Arg Arg Gln Pro Gly Trp Gln Leu Thr Gly
 1 5 10 15
 Gln Pro Gly Ser Ile Leu Leu Arg Val Phe Ser Lys Ser Arg Ala Gly
 20 25 30
 Leu Glu Ala Arg Lys Leu Lys Ala Tyr Arg Thr Met Glu Tyr Met Ala
 35 40 45
 Glu Ser Thr Asp Arg Ser Pro Gly His Ile Leu Cys Cys Glu Cys Gly
 50 55 60
 Val Pro Ile Ser Pro Asn Pro Ala Asn Ile Cys Val Ala Cys Leu Arg
 65 70 75 80
 Ser Lys Val Asp Ile Ser Gln Gly Ile Pro Lys Gln Val Ser Ile Ser
 85 90 95
 Phe Cys Lys Gln Cys Gln Arg Tyr Phe Gln Pro Pro Gly Thr Trp Ile
 100 105 110
 Gln Cys Ala Leu Glu Ser Arg Glu Leu Leu Ala Leu Cys Leu Lys Lys

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      115              120              125
Ile Lys Ala Pro Leu Ser Lys Val Arg Leu Val Asp Ala Gly Phe Val
  130              135              140

Trp Thr Glu Pro His Ser Lys Arg Leu Lys Xaa Lys Leu Thr Ile Gln
  145              150              155              160

Lys Glu Val Met Asn Gly Ala Ile Leu Gln Gln Val Phe Val Val Asp
              165              170              175

Tyr Xaa Xaa Pro Lys Trp Gly Glu Met Ala Xaa Arg Xaa Leu Arg Ile
              180              185              190

Leu Glu Arg Leu Asp
      195

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<210> 1565

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (179)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1565

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Met Gln Phe Ala Trp Gln Ser Tyr Lys Arg Tyr Ala Met Gly Lys Asn
  1              5              10              15

Glu Leu Arg Pro Leu Thr Lys Asp Gly Tyr Glu Gly Asn Met Phe Gly
      20              25              30

Gly Leu Ser Gly Ala Thr Val Ile Asp Ser Leu Asp Thr Leu Tyr Leu
      35              40              45

Met Glu Leu Lys Glu Glu Phe Gln Glu Ala Lys Ala Trp Val Gly Glu
      50              55              60

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Ser Phe His Leu Asn Val Ser Gly Glu Ala Ser Leu Phe Glu Val Asn
65 70 75 80
Ile Arg Tyr Ile Gly Gly Leu Leu Ser Ala Phe Tyr Leu Thr Gly Glu
85 90 95
Glu Val Phe Arg Ile Lys Ala Ile Arg Leu Gly Glu Lys Leu Leu Pro
100 105 110
Ala Phe Asn Thr Pro Thr Gly Ile Pro Lys Gly Val Val Ser Phe Lys
115 120 125
Ser Gly Asn Trp Gly Trp Ala Thr Ala Gly Ser Ser Ser Ile Leu Ala
130 135 140
Glu Phe Gly Ser Leu His Leu Glu Phe Leu His Leu Thr Glu Leu Ser
145 150 155 160
Gly Asn Gln Val Phe Ala Glu Lys Val Arg Asn Ile Arg Lys Val Leu
165 170 175
Arg Lys Xaa Glu Lys Pro Phe Gly Leu Tyr Ser Asn Xaa Xaa Met Val
180 185 190
Leu Gln Thr Asp Pro
195

<210> 1566

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1566

Ala Asp Pro Glu Gly Gln Ala Gly Arg Ala Gly Arg Ala Leu Arg Arg
1 5 10 15
His Gly His Leu His Glu Gly Ser Asp Arg Ala Gly Arg Arg Ala Val
20 25 30
Gln Arg Gly Ala Gln Pro Ala Leu Arg Gly Leu Gln Glu Arg Gly Arg
35 40 45
Gly Pro Gln Ser Ala Trp Arg Val Ile Ser Ser Ile Glu Gln Lys Thr
50 55 60
Asp Thr Ser Asp Lys Lys Leu Gln Leu Ile Lys Asp Tyr Arg Glu Lys
65 70 75 80

Glu Leu Ser Gly Ile Ile Asp Ser Xaa Phe Leu Ser Lys Cys Glu Asn
35 40 45

Lys Cys Lys Val Leu Gly Ile Asp Thr Glu Arg Pro Ile Leu Gln Val
50 55 60

Asp Ser Cys Val Phe Ala Gly Glu Tyr Glu Asp Thr Leu Gly Thr Cys
65 70 75 80

Val Ile Phe Glu Glu Asn Val Glu His Ala Asp Thr Glu Gly Asn Asn
85 90 95

Lys Thr Val Leu Lys Tyr Lys Cys His Thr Met Lys Lys Leu Ser Met
100 105 110

Thr Arg Thr Leu Leu Thr Glu Lys Lys Glu Gly Glu Glu Asn Ile Gly
115 120 125

Gly Val Glu Trp Leu Gln Ile Lys Asp Asn Asp Phe Ser Tyr Arg Pro
130 135 140

Asn Met Ile Cys Asn Phe Leu His Glu Asn Glu Asp Glu Glu Val Val
145 150 155 160

Ala Ser Ala Pro Asp Lys Ser Leu Glu Leu Glu Glu Glu Ile Gln
165 170 175

Met Asn Asp Ser Ser Asn Leu Ser Cys Glu Gln Glu Lys Pro Met His
180 185 190

Leu Glu Ile Glu Asp Ser Gly Pro Leu Ile Asp Ile Pro Ser Glu Thr
195 200 205

Glu Gly Ser Val Phe Met Glu Thr Gln Met Leu Pro
210 215 220

<210> 1568

<211> 180

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1568

Ala Trp Gln Glu Phe Gly Gln Xaa Pro Gly Ala Xaa Trp Gln Arg Arg
1 5 10 15

Cys Ala Cys Val Val Glu Cys Ser Gly Arg Arg Pro Ala Gly Ala Met
20 25 30

Val Phe Leu Thr Ala Gln Leu Trp Leu Arg Asn Arg Val Thr Asp Arg
35 40 45

Tyr Phe Arg Ile Gln Glu Val Leu Lys His Ala Arg His Phe Arg Gly
50 55 60

Arg Lys Asn Arg Cys Tyr Arg Leu Ala Val Arg Thr Val Ile Arg Ala
65 70 75 80

Phe Val Lys Cys Thr Lys Ala Arg Tyr Leu Lys Lys Lys Asn Met Arg
85 90 95

Thr Leu Trp Ile Asn Arg Ile Thr Ala Ala Ser Gln Glu His Gly Leu
100 105 110

Lys Tyr Pro Ala Leu Ile Gly Asn Leu Val Lys Cys Gln Val Glu Leu
115 120 125

Asn Arg Lys Val Leu Ala Asp Leu Ala Ile Tyr Glu Pro Lys Thr Phe
130 135 140

Lys Ser Leu Ala Ala Leu Ala Ser Arg Arg Arg His Glu Gly Phe Ala
145 150 155 160

Ala Ala Leu Gly Asp Gly Lys Glu Pro Glu Gly Ile Phe Ser Arg Val
165 170 175

Val Gln Tyr His
180

<210> 1569

<211> 160

<212> PRT

<213> Homo sapiens

<400> 1569

Ala Gly Pro Tyr Ala Asp Ser Ile Trp Ala Pro Ala Arg Ser Ala Ala
1 5 10 15

Gly Gln Arg Gly Val Ala Met Ala Glu Leu Gln Gln Leu Arg Val Gln
 20 25 30
 Glu Ala Val Glu Ser Met Val Lys Ser Leu Glu Arg Glu Asn Ile Arg
 35 40 45
 Lys Met Gln Gly Leu Met Phe Arg Cys Ser Ala Ser Cys Cys Glu Asp
 50 55 60
 Ser Gln Ala Ser Met Lys Gln Val His Gln Cys Ile Glu Arg Cys His
 65 70 75 80
 Val Pro Leu Ala Gln Ala Gln Ala Leu Val Thr Ser Glu Leu Glu Lys
 85 90 95
 Phe Gln Asp Arg Leu Ala Arg Cys Thr Met His Cys Asn Asp Lys Ala
 100 105 110
 Lys Asp Ser Ile Asp Ala Gly Ser Lys Glu Leu Gln Val Lys Gln Gln
 115 120 125
 Leu Asp Ser Cys Val Thr Lys Cys Val Asp Asp His Met His Leu Ile
 130 135 140
 Pro Thr Met Thr Lys Lys Met Lys Glu Ala Leu Leu Ser Ile Gly Lys
 145 150 155 160

<210> 1570

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1570

Gly Leu Ser Asp His Leu Val Phe Pro Phe Ser Ala Xaa His Val Ser
 1 5 10 15
 Arg Gly Val Ala Pro Tyr His Thr Ser Arg Ala Pro Glu Pro Tyr Phe
 20 25 30
 Leu Ile Ser Ser Gly Leu Asp Phe Pro Val Leu His Gln Gln Leu Gln
 35 40 45

Tyr Pro Lys Leu Ser Ser Pro Ala Asp Pro Pro Ser Asn Gly Val Glu
 50 55 60

Thr Gly Gly Gln Cys Leu Val Cys Phe Leu Arg Asn Leu
 65 70 75

<210> 1571

<211> 218

<212> PRT

<213> Homo sapiens

<400> 1571

Glu Gly Pro Ile Pro Trp Gly Arg Arg Arg Arg Glu Pro Glu Pro Leu
 1 5 10 15

Leu Pro Met Ala Lys Lys Thr Tyr Asp Leu Leu Phe Lys Leu Leu Leu
 20 25 30

Ile Gly Asp Ser Gly Val Gly Lys Thr Cys Val Leu Phe Arg Phe Ser
 35 40 45

Asp Asp Ala Phe Asn Thr Thr Phe Ile Ser Thr Ile Gly Ile Asp Phe
 50 55 60

Lys Ile Lys Thr Val Glu Leu Gln Gly Lys Lys Ile Lys Leu Gln Ile
 65 70 75 80

Trp Asp Thr Ala Gly Gln Glu Arg Phe His Thr Ile Thr Thr Ser Tyr
 85 90 95

Tyr Arg Gly Ala Met Gly Ile Met Leu Val Tyr Asp Ile Thr Asn Gly
 100 105 110

Lys Ser Phe Glu Asn Ile Ser Lys Trp Leu Arg Asn Ile Asp Glu His
 115 120 125

Ala Asn Glu Asp Val Glu Arg Met Leu Leu Gly Asn Lys Cys Asp Met
 130 135 140

Asp Asp Lys Arg Val Val Pro Lys Gly Lys Gly Glu Gln Ile Ala Arg
 145 150 155 160

Glu His Gly Ile Arg Phe Phe Glu Thr Ser Ala Lys Ala Asn Ile Asn
 165 170 175

Ile Glu Lys Ala Phe Leu Thr Leu Ala Glu Asp Ile Leu Arg Lys Thr
 180 185 190

Pro Val Lys Glu Pro Asn Ser Glu Asn Val Asp Ile Ser Ser Gly Gly
195 200 205

Gly Val Thr Gly Trp Lys Ser Lys Cys Cys
210 215

<210> 1572

<211> 265

<212> PRT

<213> Homo sapiens

<400> 1572

Arg Asn Leu Leu Ala Trp Pro Arg Arg Leu Ser Gly Ile Ala Arg Ala
1 5 10 15

Leu Arg Phe Ile Ala Thr Pro Arg Leu Ser Ala Met Pro His Ile Asp
20 25 30

Asn Asp Val Lys Leu Asp Phe Lys Asp Val Leu Leu Arg Pro Lys Arg
35 40 45

Ser Thr Leu Lys Ser Arg Ser Glu Val Asp Leu Thr Arg Ser Phe Ser
50 55 60

Phe Arg Asn Ser Lys Gln Thr Tyr Ser Gly Val Pro Ile Ile Ala Ala
65 70 75 80

Asn Met Asp Thr Val Gly Thr Phe Glu Met Ala Lys Val Leu Cys Lys
85 90 95

Phe Ser Leu Phe Thr Ala Val His Lys His Tyr Ser Leu Val Gln Trp
100 105 110

Gln Glu Phe Ala Gly Gln Asn Pro Asp Cys Leu Glu His Leu Ala Ala
115 120 125

Ser Ser Gly Thr Gly Ser Ser Asp Phe Glu Gln Leu Glu Gln Ile Leu
130 135 140

Glu Ala Ile Pro Gln Val Lys Tyr Ile Cys Leu Asp Val Ala Asn Gly
145 150 155 160

Tyr Ser Glu His Phe Val Glu Phe Val Lys Asp Val Arg Lys Arg Phe
165 170 175

Pro Gln His Thr Ile Met Ala Gly Asn Val Val Thr Gly Glu Met Val
180 185 190

Glu Glu Leu Ile Leu Ser Gly Ala Asp Ile Ile Lys Val Gly Ile Gly

195	200	205
Pro Gly Ser Val Cys Thr Thr Arg Lys Lys Thr Gly Val Gly Tyr Pro		
210	215	220
Gln Leu Ser Ala Val Met Glu Cys Ala Asp Ala Ala His Gly Leu Lys		
225	230	235 240
Gly Thr Ser Phe Gln Met Glu Val Ala Ala Val Leu Gly Met Trp Pro		
	245	250 255
Arg Leu Leu Gly Gln Glu Leu Thr Ser		
	260	265

<210> 1573

<211> 128

<212> PRT

<213> Homo sapiens

<400> 1573

Glu Thr Thr Thr Thr Leu Trp Arg Arg Asn Ala Asn Gly Asp Pro			
1	5	10	15
Val Cys Asn Ala Cys Gly Leu Tyr Tyr Lys Leu His Asn Val Asn Arg			
	20	25	30
Pro Leu Thr Met Lys Lys Glu Gly Ile Gln Thr Arg Asn Arg Lys Met			
	35	40	45
Ser Asn Lys Ser Lys Lys Ser Lys Lys Gly Ala Glu Cys Phe Glu Glu			
	50	55	60
Leu Ser Lys Cys Met Gln Glu Lys Ser Ser Pro Phe Ser Ala Ala Ala			
	65	70	75 80
Leu Ala Gly His Met Ala Pro Val Gly His Leu Pro Pro Phe Ser His			
	85	90	95
Ser Gly His Ile Leu Pro Thr Pro Thr Pro Ile His Pro Ser Ser Ser			
	100	105	110
Leu Ser Phe Gly His Pro His Pro Ser Ser Met Val Thr Ala Met Gly			
	115	120	125

<210> 1574

<211> 334

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1574

Gly Ala Arg Xaa Asp Arg Ala Leu Leu Arg Pro Pro Leu Leu Arg Glu
 1 5 10 15

Leu Thr Pro Arg Ser Pro Arg Pro Pro Leu Ala Pro Ala Ala Arg Pro
 20 25 30

Ser Trp Pro Cys Leu Cys Leu Asp Gly Gly Val Ser Gly Val Phe Val
 35 40 45

Trp Asp Glu Glu Arg Ile Gln Glu Glu Glu Leu Gln Arg Ser Ile Asn
 50 55 60

Glu Met Lys Arg Leu Glu Glu Met Ser Asn Met Phe Gln Ser Ser Gly
 65 70 75 80

Val Gln His His Pro Pro Glu Pro Lys Ala Gln Thr Glu Gly Asn Glu
 85 90 95

Asp Ser Glu Gly Lys Glu Gln Arg Trp Glu Met Val Met Asp Lys Lys
 100 105 110

His Phe Lys Leu Trp Arg Arg Pro Ile Thr Gly Thr His Leu Tyr Gln
 115 120 125

Tyr Arg Val Phe Gly Thr Tyr Thr Asp Val Thr Pro Arg Gln Phe Phe
 130 135 140

Asn Val Gln Leu Asp Thr Glu Tyr Arg Lys Lys Trp Asp Ala Leu Val
 145 150 155 160

Ile Lys Leu Glu Val Ile Glu Arg Asp Val Val Ser Gly Ser Glu Val
 165 170 175

Leu His Trp Val Thr His Phe Pro Tyr Pro Met Tyr Ser Arg Asp Tyr
 180 185 190

Val Tyr Val Arg Arg Tyr Ser Val Asp Gln Glu Asn Asn Met Met Val
 195 200 205

Leu Val Ser Arg Ala Val Glu His Pro Ser Val Pro Glu Ser Pro Glu

210 215 220
Phe Val Arg Val Arg Ser Tyr Glu Ser Gln Met Val Ile Arg Pro His
225 230 235 240
Lys Ser Phe Asp Glu Asn Gly Phe Asp Tyr Leu Leu Thr Tyr Ser Asp
245 250 255
Asn Pro Gln Thr Val Phe Pro Arg Tyr Cys Val Ser Trp Met Val Ser
260 265 270
Ser Gly Met Pro Asp Phe Leu Glu Lys Leu His Met Ala Thr Leu Lys
275 280 285
Ala Lys Asn Met Glu Ile Lys Val Lys Asp Tyr Ile Ser Ala Lys Pro
290 295 300
Leu Glu Met Ser Ser Glu Ala Lys Ala Thr Ser Gln Ser Ser Glu Arg
305 310 315 320
Lys Asn Glu Gly Ser Cys Gly Pro Ala Arg Ile Glu Tyr Ala
325 330

<210> 1575

<211> 335

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (219)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (268)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1575

Pro Ser Ala Pro Arg Ala Leu Thr Leu Gln Arg Arg Lys Ile Gly Arg
1 5 10 15

Arg Gly Gln Ala Leu Met Leu Val Ser Gly Arg Arg Arg Leu Leu Thr
20 25 30

Val Leu Leu Gln Ala Gln Lys Trp Pro Phe Gln Pro Ser Arg Asp Met
35 40 45

Arg Leu Val Gln Phe Arg Ala Pro His Leu Val Gly Pro His Leu Gly
50 55 60

Leu Glu Thr Gly Asn Gly Gly Gly Val Ile Asn Leu Asn Ala Phe Asp
65 70 75 80

Pro Thr Leu Pro Lys Thr Met Thr Gln Phe Leu Glu Gln Gly Glu Ala
85 90 95

Thr Leu Ser Val Ala Arg Arg Ala Leu Ala Ala Gln Leu Pro Val Leu
100 105 110

Pro Arg Ser Glu Val Thr Phe Leu Ala Pro Val Thr Xaa Pro Asp Lys
115 120 125

Val Val Cys Val Gly Met Asn Tyr Val Asp His Cys Lys Glu Gln Asn
130 135 140

Val Pro Val Pro Lys Glu Pro Ile Ile Phe Ser Lys Phe Ala Ser Ser
145 150 155 160

Ile Val Gly Pro Tyr Asp Glu Val Val Leu Pro Pro Gln Ser Gln Glu
165 170 175

Val Asp Trp Glu Val Glu Leu Ala Val Val Ile Gly Lys Lys Gly Lys
180 185 190

His Ile Lys Ala Thr Asp Ala Met Ala His Val Ala Gly Phe Thr Val
195 200 205

Ala His Asp Val Ser Ala Arg Asp Trp Xaa Xaa Arg Arg Asn Gly Lys
210 215 220

Gln Trp Leu Leu Gly Lys Thr Phe Asp Thr Phe Cys Pro Leu Gly Pro
225 230 235 240

Ala Leu Val Thr Lys Asp Ser Val Ala Asp Pro His Asn Leu Lys Ile
245 250 255

Cys Cys Arg Val Asn Gly Glu Val Val Gln Ser Xaa Asn Thr Asn Gln
260 265 270

Met Val Phe Lys Thr Glu Asp Leu Ile Ala Trp Val Ser Gln Phe Val
275 280 285

Thr Phe Tyr Pro Gly Asp Val Ile Leu Thr Gly Thr Pro Pro Gly Val
290 295 300

Gly Val Phe Arg Lys Pro Pro Val Phe Leu Lys Lys Gly Asp Glu Val
305 310 315 320

Gln Cys Glu Ile Glu Glu Leu Gly Val Ile Ile Asn Lys Val Val
325 330 335

<210> 1576

<211> 113

<212> PRT

<213> Homo sapiens

<400> 1576

Ile Pro Glu Asp Pro His Ile Asp Glu Ser Lys Ala Lys His Gln Ala
1 5 10 15

Ile Ile Met Ser Thr Ser Leu Arg Val Ser Pro Ser Ile His Gly Tyr
20 25 30

His Phe Asp Thr Ala Ser Arg Lys Lys Ala Val Gly Asn Ile Phe Glu
35 40 45

Asn Thr Asp Gln Glu Ser Leu Glu Arg Leu Phe Arg Asn Ser Gly Asp
50 55 60

Lys Lys Ala Glu Glu Arg Ala Lys Ile Ile Phe Ala Ile Asp Gln Asp
65 70 75 80

Val Glu Glu Lys Thr Arg Ala Leu Met Ala Leu Lys Lys Arg Thr Lys
85 90 95

Asp Lys Leu Phe Gln Phe Leu Lys Leu Arg Lys Tyr Ser Ile Lys Val
100 105 110

His

<210> 1577

<211> 212

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1577

Gly Ala Ser Trp Xaa Ala Leu Thr Ala Ala Ser Ala Pro Gly Pro Trp
 1 5 10 15

Pro Leu Ser Gly Met Ala Cys Gly Ala Thr Leu Lys Arg Pro Met Glu
 20 25 30

Phe Glu Ala Ala Leu Leu Ser Pro Gly Ser Pro Lys Arg Arg Arg Cys
 35 40 45

Ala Pro Leu Pro Gly Pro Thr Pro Gly Leu Arg Pro Pro Asp Ala Glu
 50 55 60

Pro Pro Pro Pro Phe Gln Thr Gln Thr Pro Pro Gln Ser Leu Gln Gln
 65 70 75 80

Pro Ala Pro Pro Gly Ser Glu Arg Arg Leu Pro Thr Pro Glu Gln Ile
 85 90 95

Phe Gln Asn Ile Lys Gln Glu Tyr Ser Arg Tyr Gln Arg Trp Arg His
 100 105 110

Leu Glu Val Val Leu Asn Gln Ser Glu Ala Cys Ala Ser Glu Ser Gln
 115 120 125

Pro His Ser Ser Ala Leu Thr Ala Pro Ser Ser Pro Gly Ser Ser Trp
 130 135 140

Met Lys Lys Asp Gln Pro Thr Phe Thr Leu Arg Gln Val Gly Ile Ile
 145 150 155 160

Cys Glu Arg Leu Leu Lys Asp Tyr Glu Asp Lys Ile Arg Glu Glu Tyr
 165 170 175

Glu Gln Ile Leu Asn Thr Lys Leu Ala Glu Gln Tyr Glu Ser Phe Val
 180 185 190

Lys Phe Thr His Asp Gln Ile Met Arg Arg Tyr Gly Thr Arg Pro Thr
 195 200 205

Ser Tyr Val Ser
 210

<210> 1578

<211> 393

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (209)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1578

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Arg Arg Arg Arg Glu Ala Gln Glu Lys Arg Tyr Tyr Tyr Asp Leu Asp
 1             5             10             15

Asp Ser Tyr Asp Glu Ser Asp Glu Glu Glu Val Arg Ala His Leu Arg
      20             25             30

Cys Val Ala Glu Gln Pro Pro Leu Lys Leu Asp Thr Ser Ser Glu Lys
      35             40             45

Leu Glu Phe Leu Gln Leu Phe Gly Leu Thr Thr Gln Gln Gln Lys Glu
 50             55             60

Glu Leu Val Ala Gln Lys Arg Arg Lys Arg Arg Arg Met Leu Arg Glu
 65             70             75             80

Arg Ser Pro Ser Pro Pro Thr Ile Gln Ser Lys Arg Gln Thr Pro Ser
      85             90             95

Pro Arg Leu Ala Leu Ser Thr Arg Tyr Ser Pro Asp Glu Met Asn Asn
      100            105            110

Ser Pro Asn Phe Glu Glu Lys Lys Lys Phe Leu Thr Ile Phe Asn Leu
      115            120            125

Thr His Ile Ser Ala Glu Lys Arg Lys Asp Lys Glu Arg Leu Val Glu
      130            135            140

Met Leu Arg Ala Met Lys Gln Lys Ala Leu Ser Ala Ala Val Ala Asp
      145            150            155            160

Ser Leu Thr Asn Ser Pro Arg Asp Ser Pro Ala Val Ser Leu Ser Glu
      165            170            175

Pro Ala Thr Gln Gln Ala Ser Leu Asp Val Glu Lys Pro Val Gly Val
      180            185            190

Ala Ala Ser Leu Ser Asp Ile Pro Lys Ala Ala Asp Leu Gly Ser Trp
      195            200            205

Xaa Gln Val Arg Pro Gln Glu Leu Ser Arg Val Gln Glu Leu Ala Pro
      210            215            220

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Ala Ser Gly Glu Lys Gly Gln Ala Glu Arg Gly Pro Trp Arg Gln Lys
225 230 235 240

Glu Ser Glu His Ala Ser Leu Tyr Pro Gly Arg Cys Thr Gln Gly His
245 250 255

Ser Cys Ala Ala Val Pro Gln His Gln Trp Glu Glu Gln Ala Val Gly
260 265 270

Ala Leu Cys Gly Arg Arg Val Cys Thr Ser Val Pro Arg Val Gln Cys
275 280 285

Cys Ser Pro Pro Arg Arg Pro Cys Arg Ser Ile Lys Gly Ala Trp Leu
290 295 300

Cys Cys Leu Gln Ser Arg Thr Thr Arg Leu Thr Arg Pro Ser Thr Thr
305 310 315 320

Thr Phe Leu Ser Cys Ser Pro Pro Ala Ala Pro Leu His Pro Ser Thr
325 330 335

Met Gly Ser Arg Ser Pro Pro Leu Gln Gly Arg Ala Pro Gln Pro Arg
340 345 350

Ser Trp Thr Gly Thr Arg Arg Arg Arg Lys Arg Arg Met Met Lys Met
355 360 365

Glu Lys Met Arg Arg Lys Ser Pro Ser Ala Ser Gly Lys Gly Ser Arg
370 375 380

Pro Phe Leu Lys Leu Thr Arg Asn Thr
385 390

<210> 1579

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1579

Gln Ala Xaa Thr Thr Leu Thr Lys Gly Xaa Lys Ser Trp Ser Ser Thr
 1 5 10 15

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
 20 25 30

Ser Ala Arg Gly Arg Arg Asn
 35

<210> 1580

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (237)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1580

Pro Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Val Pro Ala Ser
 1 5 10 15

Glu Ser Ala Val Val Val Gln Thr Glu Cys Ser Leu Leu Phe Val Trp
 20 25 30

Leu Arg Phe His Ala Arg Arg Trp Leu Arg Met Ser Ser Ser His Phe
 35 40 45

Ala Ser Arg His Arg Lys Asp Ile Ser Thr Glu Met Ile Arg Thr Lys
 50 55 60

Ile Ala His Arg Lys Ser Leu Ser Gln Lys Glu Asn Arg His Lys Glu
 65 70 75 80

Tyr Glu Arg Asn Arg His Phe Gly Leu Lys Asp Val Asn Ile Pro Thr
 85 90 95

Leu Glu Gly Arg Ile Leu Val Glu Leu Asp Glu Thr Ser Gln Gly Leu
 100 105 110

Val Pro Glu Lys Thr Asn Val Lys Pro Arg Ala Met Lys Thr Ile Leu
 115 120 125

Gly Asp Gln Arg Lys Gln Met Leu Gln Lys Tyr Lys Glu Glu Lys Gln
 130 135 140
 Leu Gln Lys Leu Lys Glu Gln Arg Glu Lys Ala Lys Arg Gly Ile Phe
 145 150 155 160
 Lys Val Gly Arg Tyr Arg Pro Asp Met Pro Xaa Phe Leu Leu Ser Asn
 165 170 175
 Gln Asn Ala Val Lys Ala Glu Pro Lys Lys Ala Ile Pro Ser Ser Val
 180 185 190
 Arg Ile Thr Arg Ser Lys Ala Lys Asp Gln Met Glu Gln Thr Lys Ile
 195 200 205
 Asp Asn Glu Ser Asp Val Arg Ala Ile Arg Pro Gly Pro Arg Gln Thr
 210 215 220
 Ser Glu Lys Lys Val Ser Asp Lys Glu Lys Lys Val Xaa Gln Pro Val
 225 230 235 240
 Met Pro Thr Ser Leu Arg Met Thr Arg Ser Ala Thr Gln Ala Ala Lys
 245 250 255
 Gln Val Pro Arg Thr Val Ser Ser Thr Thr Ala Arg Lys Pro Val Thr
 260 265 270
 Arg Ala Ala Asn Glu Asn Gly Thr Arg Arg Lys Gly Ala Lys
 275 280 285

<210> 1581

<211> 276

<212> PRT

<213> Homo sapiens

<400> 1581

Asp Arg Arg Gly Ile Gly Ile Met Ala Ala Ala Leu Phe Val Leu Leu
 1 5 10 15
 Gly Phe Ala Leu Leu Gly Thr His Gly Ala Ser Gly Ala Ala Gly Thr
 20 25 30
 Val Phe Thr Thr Val Glu Asp Leu Gly Ser Lys Ile Leu Leu Thr Cys
 35 40 45
 Ser Leu Asn Asp Ser Ala Thr Glu Val Thr Gly His Arg Trp Leu Lys
 50 55 60

Gly Gly Val Val Leu Lys Glu Asp Ala Leu Pro Gly Gln Lys Thr Glu
65 70 75 80

Phe Lys Val Asp Ser Asp Asp Gln Trp Gly Glu Tyr Ser Cys Val Phe
85 90 95

Leu Pro Glu Pro Met Gly Thr Ala Asn Ile Gln Leu His Gly Pro Pro
100 105 110

Arg Val Lys Ala Val Lys Ser Ser Glu His Ile Asn Glu Gly Glu Thr
115 120 125

Ala Met Leu Val Cys Lys Ser Glu Ser Val Pro Pro Val Thr Asp Trp
130 135 140

Ala Trp Tyr Lys Ile Thr Asp Ser Glu Asp Lys Ala Leu Met Asn Gly
145 150 155 160

Ser Glu Ser Arg Phe Phe Val Ser Ser Ser Gln Gly Arg Ser Glu Leu
165 170 175

His Ile Glu Asn Leu Asn Met Glu Ala Asp Pro Gly Gln Tyr Arg Cys
180 185 190

Asn Gly Thr Ser Ser Lys Gly Ser Asp Gln Ala Ile Ile Thr Leu Arg
195 200 205

Val Arg Ser His Leu Ala Ala Leu Trp Pro Phe Leu Gly Ile Val Ala
210 215 220

Glu Val Leu Val Leu Val Thr Ile Ile Phe Ile Tyr Glu Lys Arg Arg
225 230 235 240

Lys Pro Glu Asp Val Leu Asp Asp Asp Asp Ala Gly Ser Ala Pro Leu
245 250 255

Lys Ser Ser Gly Gln His Gln Asn Asp Lys Gly Lys Asn Val Arg Gln
260 265 270

Arg Asn Ser Ser
275

<210> 1582

<211> 476

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (271)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1582

Thr	Ile	Ser	Phe	Pro	Gly	Arg	Xaa	Leu	Asp	Lys	Phe	Ile	Lys	Phe	Phe
1				5				10						15	
Ala	Leu	Lys	Thr	Val	Gln	Val	Ile	Val	Gln	Ala	Arg	Leu	Gly	Glu	Lys
			20				25						30		
Ile	Cys	Thr	Arg	Ser	Ser	Ser	Ser	Pro	Thr	Gly	Ser	Asp	Trp	Phe	Asn
		35					40					45			
Leu	Ala	Ile	Lys	Asp	Ile	Pro	Glu	Val	Thr	His	Glu	Ala	Lys	Lys	Ala
	50					55					60				
Leu	Ala	Gly	Gln	Leu	Pro	Ala	Val	Gly	Arg	Ser	Met	Cys	Val	Glu	Ile
65				70					75					80	
Ser	Leu	Lys	Thr	Ser	Glu	Gly	Asp	Ser	Met	Glu	Leu	Glu	Ile	Trp	Cys
				85					90					95	
Leu	Glu	Met	Asn	Glu	Lys	Cys	Asp	Lys	Glu	Ile	Lys	Val	Ser	Tyr	Thr
		100						105					110		
Val	Tyr	Asn	Arg	Leu	Ser	Leu	Leu	Leu	Lys	Ser	Leu	Leu	Ala	Ile	Thr
		115				120							125		
Arg	Val	Thr	Pro	Ala	Tyr	Arg	Xaa	Ser	Arg	Lys	Gln	Gly	His	Glu	Tyr
	130					135						140			
Val	Ile	Leu	Tyr	Arg	Ile	Tyr	Phe	Gly	Glu	Val	Gln	Leu	Ser	Gly	Leu
145				150					155					160	
Gly	Glu	Gly	Phe	Gln	Thr	Val	Arg	Val	Gly	Thr	Val	Gly	Thr	Pro	Val
			165						170					175	
Gly	Thr	Ile	Thr	Leu	Ser	Cys	Ala	Tyr	Arg	Ile	Asn	Leu	Ala	Phe	Met
		180							185				190		
Ser	Thr	Arg	Gln	Phe	Glu	Arg	Thr	Pro	Pro	Ile	Met	Gly	Ile	Ile	Ile

195	200	205
Asp His Phe Val Asp Arg Pro Tyr Pro Ser Ser Ser Pro Met His Pro		
210 .	215	220
Cys Asn Tyr Arg Thr Ala Gly Glu Asp Thr Gly Val Ile Tyr Pro Ser		
225	230	235 240
Val Glu Asp Ser Gln Glu Val Cys Thr Thr Ser Phe Ser Thr Ser Pro		
	245	250 255
Pro Ser Gln Leu Met Val Pro Gly Lys Glu Gly Gly Val Pro Xaa Ala		
	260	265 270
Pro Asn Gln Pro Val His Gly Thr Gln Ala Asp Gln Glu Arg Leu Ala		
	275	280 285
Thr Cys Thr Pro Ser Asp Arg Thr His Cys Ala Ala Thr Pro Ser Ser		
	290	295 300
Ser Glu Asp Thr Glu Thr Val Ser Asn Ser Ser Glu Gly Arg Ala Ser		
305	310	315 320
Pro His Asp Val Leu Glu Thr Ile Phe Val Arg Lys Val Gly Ala Phe		
	325	330 335
Val Asn Lys Pro Ile Asn Gln Val Thr Leu Thr Ser Leu Asp Ile Pro		
	340	345 350
Phe Ala Met Phe Ala Pro Lys Asn Leu Glu Leu Glu Asp Thr Asp Pro		
	355	360 365
Met Val Asn Pro Pro Asp Ser Pro Glu Thr Glu Ser Pro Leu Gln Gly		
	370	375 380
Ser Leu His Ser Asp Gly Ser Ser Gly Gly Ser Ser Gly Asn Thr His		
385	390	395 400
Asp Asp Phe Val Met Ile Asp Phe Lys Pro Ala Phe Ser Lys Asp Asp		
	405	410 415
Ile Leu Pro Met Asp Leu Gly Thr Phe Tyr Arg Glu Phe Gln Asn Pro		
	420	425 430
Pro Gln Leu Ser Ser Leu Ser Ile Asp Ile Gly Ala Gln Ser Met Ala		
	435	440 445
Glu Asp Leu Asp Ser Leu Pro Glu Lys Leu Ala Val His Glu Lys Asn		
	450	455 460
Val Arg Glu Phe Asp Ala Phe Val Glu Thr Leu Gln		

465

470

475

<210> 1583

<211> 569

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (291)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (345)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (346)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (552)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (553)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (554)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1583

Gly Xaa Lys Ser Trp Cys Ser Thr Ala Val Ala Ala Ala Leu Glu Leu
 1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Val Leu Ala Val Val
 20 25 30

Ala Xaa Val Leu Lys Leu Gly Asn Ile Glu Phe Lys Pro Glu Ser Arg
 35 40 45

Val Asn Gly Leu Asp Glu Ser Lys Ile Lys Asp Lys Asn Glu Leu Lys
 50 55 60

Glu Ile Cys Glu Leu Thr Gly Ile Asp Gln Ser Val Leu Glu Arg Ala
 65 70 75 80

Phe Ser Phe Arg Thr Val Glu Ala Lys Gln Glu Lys Val Ser Thr Thr
 85 90 95

Leu Asn Val Ala Gln Ala Tyr Tyr Ala Arg Asp Ala Leu Ala Lys Asn
 100 105 110

Leu Tyr Ser Arg Leu Phe Ser Trp Leu Val Asn Arg Ile Asn Glu Ser
 115 120 125

Ile Lys Ala Gln Thr Lys Val Arg Lys Lys Val Met Gly Val Leu Asp
 130 135 140

Ile Tyr Gly Phe Glu Ile Phe Glu Asp Asn Ser Phe Glu Gln Phe Ile
 145 150 155 160

Ile Asn Tyr Cys Asn Glu Lys Leu Gln Gln Ile Phe Ile Glu Leu Thr
 165 170 175

Leu Lys Glu Glu Gln Glu Glu Tyr Ile Arg Glu Xaa Ile Glu Trp Thr
 180 185 190

His Ile Asp Tyr Phe Asn Asn Ala Ile Ile Cys Asp Leu Ile Glu Asn
 195 200 205

Asn Thr Asn Gly Ile Leu Ala Met Leu Asp Glu Glu Cys Leu Arg Pro
 210 215 220

Gly Thr Val Thr Asp Glu Thr Phe Leu Glu Lys Leu Asn Gln Val Cys
 225 230 235 240

Ala Thr His Gln His Phe Glu Ser Arg Met Ser Lys Cys Ser Arg Phe
 245 250 255

Leu Asn Asp Thr Ser Leu Pro His Ser Cys Phe Arg Ile Gln His Tyr
 260 265 270

Ala Gly Lys Val Leu Tyr Gln Val Glu Gly Phe Val Asp Lys Asn Asn
 275 280 285

Asp Leu Xaa Tyr Arg Asp Leu Ser Gln Ala Met Trp Lys Ala Ser His
 290 295 300

Ala Leu Ile Lys Ser Leu Phe Pro Glu Gly Asn Pro Ala Lys Ile Asn
 305 310 315 320

Leu Lys Arg Pro Pro Thr Ala Gly Ser Gln Phe Lys Ala Ser Val Ala
 325 330 335

Thr Leu Met Lys Asn Leu Gln Thr Xaa Xaa Pro Asn Tyr Ile Arg Cys
 340 345 350

Ile Lys Pro Asn Asp Lys Lys Ala Ala His Ile Phe Asn Glu Ala Leu
 355 360 365

Val Cys His Gln Ile Arg Tyr Leu Gly Leu Leu Glu Asn Val Arg Val
 370 375 380

Arg Arg Ala Gly Tyr Ala Phe Arg Gln Ala Tyr Glu Pro Cys Leu Glu
 385 390 395 400

Arg Tyr Lys Met Leu Cys Lys Gln Thr Trp Pro His Trp Lys Gly Pro
 405 410 415

Ala Arg Ser Gly Val Glu Val Leu Phe Asn Glu Leu Glu Ile Pro Val
 420 425 430

Glu Glu Tyr Ser Phe Gly Arg Ser Lys Ile Phe Ile Arg Asn Pro Arg
 435 440 445

Thr Leu Phe Lys Leu Glu Asp Leu Arg Lys Gln Arg Leu Glu Asp Leu
 450 455 460

Ala Thr Leu Ile Gln Lys Ile Tyr Arg Gly Trp Lys Cys Arg Thr His
 465 470 475 480

Phe Leu Leu Met Lys Lys Ser Gln Ile Val Ile Ala Ala Trp Tyr Arg
 485 490 495

Arg Tyr Ala Gln Gln Lys Arg Tyr Gln Gln Thr Lys Ser Ser Ala Leu
 500 505 510

Val Ile Gln Ser Tyr Ile Arg Gly Trp Lys Ala Arg Lys Ile Leu Arg
 515 520 525

Glu Leu Lys His Gln Lys Arg Cys Lys Glu Ala Val Thr Thr Ile Ala
530 535 540

Ala Tyr Trp His Gly Thr Gln Xaa Xaa Xaa Lys Asn Gln Glu Ile Leu
545 550 555 560

Gln Ser Gln Cys Trp Lys Arg Lys Ser
565

<210> 1584

<211> 267

<212> PRT

<213> Homo sapiens

<400> 1584

Arg Val Asp Pro Arg Val Arg Ile Leu Gly Ala Gly Glu Glu Ala Gly
1 5 10 15

Ser Pro Ser Leu His Val Arg Asp Leu Thr Val Glu Met Ala Ala Gln
20 25 30

Lys Ile Asn Glu Gly Leu Glu His Leu Ala Lys Ala Glu Lys Tyr Leu
35 40 45

Lys Thr Gly Phe Leu Lys Trp Lys Pro Asp Tyr Asp Ser Ala Ala Ser
50 55 60

Glu Tyr Gly Lys Ala Ala Val Ala Phe Lys Asn Ala Lys Gln Phe Glu
65 70 75 80

Gln Ala Lys Asp Ala Cys Leu Arg Glu Ala Val Ala His Glu Asn Asn
85 90 95

Arg Ala Leu Phe His Ala Ala Lys Ala Tyr Glu Gln Ala Gly Met Met
100 105 110

Leu Lys Glu Met Gln Lys Leu Pro Glu Ala Val Gln Leu Ile Glu Lys
115 120 125

Ala Ser Met Met Tyr Leu Glu Asn Gly Thr Pro Asp Thr Ala Ala Met
130 135 140

Ala Leu Glu Arg Ala Gly Lys Leu Ile Glu Asn Val Asp Pro Glu Lys
145 150 155 160

Ala Val Gln Leu Tyr Gln Gln Thr Ala Asn Val Phe Glu Asn Glu Glu
165 170 175

Ser Ser His Ser Asp Gly Ala Gln Tyr Val Lys Arg Tyr Lys Gly His
 35 40 45
 Arg Asn Asn Ala Thr Val Lys Gly Val Asn Phe Tyr Gly Pro Lys Ser
 50 55 60
 Glu Phe Val Val Ser Gly Ser Asp Cys Gly His Ile Phe Leu Trp Glu
 65 70 75 80
 Lys Ser Ser Cys Gln Ile Ile Gln Phe Met Glu Gly Asp Lys Gly Gly
 85 90 95
 Val Val Asn Cys Leu Glu Pro His Pro His Leu Pro Val Leu Ala Thr
 100 105 110
 Ser Gly Leu Asp His Asp Val Lys Ile Trp Ala Pro Thr Ala Glu Ala
 115 120 125
 Ser Thr Glu Leu Thr Gly Leu Lys Asp Val Ile Lys Lys Asn Lys Arg
 130 135 140
 Glu Arg Asp Glu Asp Ser Leu His Gln Thr Asp Leu Phe Asp Ser His
 145 150 155 160
 Met Leu Trp Phe Leu Met His His Leu Arg Gln Arg Arg His His Arg
 165 170 175
 Arg Trp Arg Glu Pro Gly Val Gly Ala Thr Asp Ala Asp Ser Asp Glu
 180 185 190
 Ser Pro Ser Ser Ser Asp Thr Ser Asp Glu Glu Glu Gly Pro Asp Arg
 195 200 205
 Val Gln Cys Met Pro Ser
 210

<210> 1586

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1586

Gln Ile Thr Pro Asn Lys Xaa Gly His Arg Glu Ser Ala Arg Arg Pro

1 5 10 15
 Val Ile Gln Gly Pro Phe Leu Leu Asp Val Lys Glu Ser Trp Val Lys
 20 25 30
 Cys Gly Cys Asn Leu Asn Gln Leu Val Leu Val Ile Cys Phe Cys Pro
 35 40 45
 Leu Cys Phe Leu Leu Ser Asn Ala Lys Cys Val Phe Cys Ser His Glu
 50 55 60
 Leu Lys His Lys Lys Met His Glu Thr Leu
 65 70

<210> 1587

<211> 412

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (296)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1587

Ser Gly Thr His His Phe Ser Cys Val Leu Gly Ser Phe Arg Val Ser
 1 5 10 15
 Ala Met Phe Pro Arg Val Ser Thr Phe Leu Pro Leu Arg Pro Leu Ser
 20 25 30
 Arg His Pro Leu Ser Ser Gly Ser Pro Glu Thr Ser Ala Ala Ala Ile
 35 40 45
 Met Leu Leu Thr Val Arg His Gly Thr Val Arg Tyr Arg Ser Ser Ala
 50 55 60
 Leu Leu Ala Arg Thr Lys Asn Asn Ile Gln Arg Tyr Phe Gly Thr Asn
 65 70 75 80
 Ser Val Ile Cys Ser Lys Lys Asp Lys Gln Ser Val Arg Thr Glu Glu
 85 90 95
 Thr Ser Lys Glu Thr Ser Glu Ser Gln Asp Ser Glu Lys Glu Asn Thr
 100 105 110
 Lys Lys Asp Leu Leu Gly Ile Ile Lys Gly Met Lys Val Glu Leu Ser
 115 120 125

Thr Val Asn Val Arg Thr Thr Lys Pro Pro Lys Arg Arg Pro Leu Lys
 130 135 140
 Ser Leu Glu Ala Thr Leu Gly Arg Leu Arg Arg Ala Thr Glu Tyr Ala
 145 150 155 160
 Pro Lys Lys Arg Ile Glu Pro Leu Ser Pro Glu Leu Val Ala Ala Ala
 165 170 175
 Ser Ala Val Ala Asp Ser Leu Pro Phe Asp Lys Gln Thr Thr Lys Ser
 180 185 190
 Glu Leu Leu Ser Gln Leu Gln Gln His Glu Glu Glu Ser Arg Ala Gln
 195 200 205
 Arg Asp Ala Lys Arg Pro Lys Ile Ser Phe Ser Asn Ile Ile Ser Asp
 210 215 220
 Met Lys Val Ala Arg Ser Ala Thr Ala Arg Val Arg Ser Arg Pro Glu
 225 230 235 240
 Leu Arg Ile Gln Phe Asp Glu Gly Tyr Asp Asn Tyr Pro Gly Gln Glu
 245 250 255
 Lys Thr Asp Asp Leu Lys Lys Arg Lys Asn Ile Phe Thr Gly Lys Arg
 260 265 270
 Leu Asn Ile Phe Asp Met Met Ala Val Thr Lys Glu Ala Pro Glu Thr
 275 280 285
 Asp Thr Ser Pro Ser Leu Trp Xaa Val Glu Phe Ala Lys Gln Leu Ala
 290 295 300
 Thr Val Asn Glu Gln Pro Leu Gln Asn Gly Phe Glu Glu Leu Ile Gln
 305 310 315 320
 Trp Thr Lys Glu Gly Lys Leu Trp Glu Phe Pro Ile Asn Asn Glu Ala
 325 330 335
 Gly Phe Asp Asp Asp Gly Ser Glu Phe His Glu His Ile Phe Leu Glu
 340 345 350
 Lys His Leu Glu Ser Phe Pro Lys Gln Gly Pro Ile Arg His Phe Met
 355 360 365
 Glu Leu Val Thr Cys Gly Leu Ser Lys Asn Pro Tyr Leu Ser Val Lys
 370 375 380
 Gln Lys Val Glu His Ile Glu Trp Phe Arg Asn Tyr Phe Asn Glu Lys
 385 390 395 400

Lys Asp Ile Leu Lys Glu Ser Asn Ile Gln Phe Asn
 405 410

<210> 1588

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1588

Ala Ile His Ser Leu Gln Gln Phe Asp Lys Ile Tyr Phe Cys Glu Gln
 1 5 10 15

Lys Leu Arg His Leu His Phe Leu Pro Met Trp Ser Leu Gln Thr Trp
 20 25 30

Glu Thr Ile His Glu Tyr Leu Tyr Cys Met Val Ile
 35 40

<210> 1589

<211> 214

<212> PRT

<213> Homo sapiens

<400> 1589

Val Gly Glu Thr Gln His Ala Leu Arg Pro Leu Cys Lys Gln His Pro
 1 5 10 15

Val Pro Pro Ser Ser Pro Arg Pro Ser Glu Glu Met Val Lys Met Val
 20 25 30

Leu Ser Arg Pro Cys His Pro Asp Asp Gln Phe Thr Thr Ser Ile Leu
 35 40 45

Arg His Trp Cys Met Lys His Asp Glu Leu Leu Ala Glu His Ile Lys
 50 55 60

Ser Leu Leu Ile Lys Asn Asn Ser Leu Pro Arg Lys Arg Gln Ser Leu
 65 70 75 80

Arg Ser Ser Ser Ser Lys Leu Ala Gln Leu Thr Leu Glu Gln Ile Leu
 85 90 95

Glu His Leu Asp Asn Leu Arg Leu Asn Leu Thr Asn Thr Lys Gln Asn
 100 105 110

Phe Phe Ser Gln Thr Pro Ile Leu Gln Ala Leu Gln His Val Gln Ala
 115 120 125

Ser Cys Asp Glu Ala His Lys Met Lys Phe Ser Asp Leu Phe Ser Leu
130 135 140

Ala Glu Glu Tyr Glu Asp Ser Ser Thr Lys Pro Pro Lys Ser Arg Arg
145 150 155 160

Lys Ala Ala Leu Ser Ser Pro Arg Ser Arg Lys Asn Ala Thr Gln Pro
165 170 175

Pro Asn Ala Glu Glu Glu Ser Gly Ser Ser Ser Ala Ser Glu Glu Glu
180 185 190

Asp Thr Lys Pro Lys Pro Thr Lys Arg Lys Arg Lys Gly Ser Ser Ala
195 200 205

Val Gly Ser Asp Ser Asp
210

<210> 1590

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1590

Lys Met His Ile Leu His Ala Asp Ile Lys Pro Asp Asn Ile Leu Val
1 5 10 15

Asn Glu Ser Lys Thr Ile Leu Lys Leu Cys Xaa Phe Gly Ser Ala Ser
20 25 30

His Val Ala Asp Asn Asp Ile Thr Pro Tyr Leu Val Ser Arg Phe Tyr
35 40 45

Arg Ala Pro Glu Ile Ile Ile Gly Lys Ser Tyr Asp Tyr Gly Ile Asp
50 55 60

Met Trp Ser Val Gly Cys Thr Leu Tyr Glu Leu Tyr Thr Gly Lys Ile
65 70 75 80

Leu Phe Pro Gly Lys Thr Asn Asn His Met Leu Lys Leu Ala Met Asp
85 90 95

Leu Lys Gly Lys Met Pro Asn Lys Met Ile Arg Lys Gly Val Phe Lys

100	105	110
Asp Gln His Phe Asp Gln Asn Leu	Asn Phe Met Tyr Ile Glu Val Asp	
115	120	125
Lys Val Thr Glu Arg Glu Lys Val Thr Val Met Ser Thr Ile Asn Pro		
130	135	140
Thr Lys Asp Leu Leu Ala Asp Leu Ile Gly Cys Gln Arg Leu Pro Glu		
145	150	155
Asp Gln Arg Lys Lys Val His Gln Leu Lys Asp Leu Leu Asp Gln Ile		
165	170	175
Leu Met Leu Asp Pro Ala Lys Arg Ile Ser Ile Asn Gln Ala Leu Gln		
180	185	190
His Ala Phe Ile Gln Glu Lys Ile		
195	200	

<210> 1591

<211> 115

<212> PRT

<213> Homo sapiens

<400> 1591

Val Thr Leu Ala Arg Ser Leu Gln Ser Arg Pro Val Ala Met Ser Ala		
1	5	10
Asp Val Thr Ser Ser Leu Ala Ala Phe Gly Glu Gly Trp Gly Val Arg		
20	25	30
Glu Leu Ser Asp His Ser Ser Pro Arg Pro Leu Leu Gly Leu Ala Arg		
35	40	45
Arg Ala Pro Arg Val Asp Pro Pro Ala Thr Gly Val Phe Ser Pro Leu		
50	55	60
Leu Pro Pro Ser Gly Leu Met Arg Gln Arg Gly Gly Cys Gly Ala Cys		
65	70	75
Leu Gly Arg Thr Glu Leu Ser Leu Gly Lys Thr Tyr Phe Val Asn Lys		
85	90	95
Trp Asn Thr Trp Leu Tyr Ser Lys Lys Lys Lys Lys Lys Lys Lys		
100	105	110
Lys Ser Arg		
115		

<210> 1592

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1592

Val Cys Cys Cys Lys Lys Ser Pro Met Cys Ile Thr Asn Ser Glu Tyr
1 5 10 15

Phe Leu Arg Leu Lys Lys Thr Gly Val Thr Ser Arg Tyr Cys Cys Val
20 25 30

Met Val Thr Leu Thr Lys Arg His Gln Pro Leu Arg Val Leu Tyr Cys
35 40 45

Lys Ala Gln Ile Thr Phe Val Cys Tyr Thr Leu Ile Gly Glu Leu Lys
50 55 60

Val Ile
65

<210> 1593

<211> 91

<212> PRT

<213> Homo sapiens

<400> 1593

Glu Ser Leu Trp Ala Phe Cys Leu Ser Leu Leu Glu Arg Leu Ala Cys
1 5 10 15

Cys Ser Leu Leu Tyr Pro Glu Val Cys Leu Trp Asp Phe Ser Pro Val
20 25 30

Ala Val Glu Thr Arg Arg Pro Thr Leu Phe Glu Thr Gln Met Leu Leu
35 40 45

Ser Leu Ala Ser Pro Ser Leu Ser Ser Pro Asn Glu Pro Thr Phe Cys
50 55 60

Thr Ser Thr Arg Met Pro Gly Arg Leu Gly Pro Gln Arg Leu Leu Phe
65 70 75 80

Gln Asn Leu Trp Lys Pro Arg Leu Asn Val Pro
85 90

<210> 1594

<211> 442

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1594

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Leu Glu Gln Glu Leu Gly Asp Gly Trp Gly His Ser Asp Leu His Lys
  1              5              10              15

Ala Leu Leu Cys Arg Xaa Pro Pro Leu Pro Glu Pro Asp Ala Met Ser
      20              25              30

Ser Lys Gly Ser Val Val Leu Ala Tyr Ser Gly Gly Leu Asp Thr Ser
      35              40              45

Cys Ile Leu Val Trp Leu Lys Glu Gln Gly Tyr Asp Val Ile Ala Tyr
      50              55              60

Leu Ala Asn Ile Gly Gln Lys Glu Asp Phe Glu Glu Ala Arg Lys Lys
      65              70              75              80

Ala Leu Lys Leu Gly Ala Lys Lys Val Phe Ile Glu Asp Val Ser Arg
      85              90              95

Glu Phe Val Glu Glu Phe Ile Trp Pro Ala Ile Gln Ser Ser Ala Leu
      100             105             110

Tyr Glu Asp Arg Tyr Leu Leu Gly Thr Ser Leu Ala Arg Pro Cys Ile
      115             120             125

Ala Arg Lys Gln Val Glu Ile Ala Gln Arg Glu Gly Ala Lys Tyr Val
      130             135             140

Ser His Gly Ala Thr Gly Lys Gly Asn Asp Gln Val Arg Phe Glu Leu
      145             150             155             160

Ser Cys Tyr Ser Leu Ala Pro Gln Ile Lys Val Ile Ala Pro Trp Arg
      165             170             175

Met Pro Glu Phe Tyr Asn Arg Phe Lys Gly Arg Asn Asp Leu Met Glu
      180             185             190

Tyr Ala Lys Gln His Gly Ile Pro Ile Pro Val Thr Pro Lys Asn Pro
      195             200             205

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Trp Ser Met Asp Glu Asn Leu Met His Ile Ser Tyr Glu Ala Gly Ile
210 215 220

Leu Glu Asn Pro Lys Asn Gln Ala Pro Pro Gly Leu Tyr Thr Lys Thr
225 230 235 240

Gln Asp Pro Ala Lys Ala Pro Asn Thr Pro Asp Ile Leu Glu Ile Glu
245 250 255

Phe Lys Lys Gly Val Pro Val Lys Val Thr Asn Val Lys Asp Gly Thr
260 265 270

Thr His Gln Thr Ser Leu Glu Leu Phe Met Tyr Leu Asn Glu Val Ala
275 280 285

Gly Lys His Gly Val Gly Arg Ile Asp Ile Val Glu Asn Arg Phe Ile
290 295 300

Gly Met Lys Ser Arg Gly Ile Tyr Glu Thr Pro Ala Gly Thr Ile Leu
305 310 315 320

Tyr His Ala His Leu Asp Ile Glu Ala Phe Thr Met Asp Arg Glu Val
325 330 335

Arg Lys Ile Lys Gln Gly Leu Gly Leu Lys Phe Ala Glu Leu Val Tyr
340 345 350

Thr Gly Phe Trp His Ser Pro Glu Cys Glu Phe Val Arg His Cys Ile
355 360 365

Ala Lys Ser Gln Glu Arg Val Glu Gly Lys Val Gln Val Ser Val Leu
370 375 380

Lys Gly Gln Val Tyr Ile Leu Gly Arg Glu Ser Pro Leu Ser Leu Tyr
385 390 395 400

Asn Glu Glu Leu Val Ser Met Asn Val Gln Gly Asp Tyr Glu Pro Thr
405 410 415

Asp Ala Thr Gly Phe Ile Asn Ile Asn Ser Leu Arg Leu Lys Glu Tyr
420 425 430

His Arg Leu Gln Ser Lys Val Thr Ala Lys
435 440

<210> 1595

<211> 456

<212> PRT

<213> Homo sapiens

<400> 1595

Phe	Gly	Thr	Ser	Gln	Phe	Leu	Leu	Pro	Leu	Pro	Ala	Lys	Met	Ser	Asp
1				5				10					15		
Met	Glu	Asp	Asp	Phe	Met	Cys	Asp	Asp	Glu	Glu	Asp	Tyr	Asp	Leu	Glu
		20					25					30			
Tyr	Ser	Glu	Asp	Ser	Asn	Ser	Glu	Pro	Asn	Val	Asp	Leu	Glu	Asn	Gln
	35					40					45				
Tyr	Tyr	Asn	Ser	Lys	Ala	Leu	Lys	Glu	Asp	Asp	Pro	Lys	Ala	Ala	Leu
	50					55					60				
Ser	Ser	Phe	Gln	Lys	Val	Leu	Glu	Leu	Glu	Gly	Glu	Lys	Gly	Glu	Trp
65				70					75					80	
Gly	Phe	Lys	Ala	Leu	Lys	Gln	Met	Ile	Lys	Ile	Asn	Phe	Lys	Leu	Thr
				85					90					95	
Asn	Phe	Pro	Glu	Met	Met	Asn	Arg	Tyr	Lys	Gln	Leu	Leu	Thr	Tyr	Ile
		100						105					110		
Arg	Ser	Ala	Val	Thr	Arg	Asn	Tyr	Ser	Glu	Lys	Ser	Ile	Asn	Ser	Ile
	115					120						125			
Leu	Asp	Tyr	Ile	Ser	Thr	Ser	Lys	Gln	Met	Asp	Leu	Leu	Gln	Glu	Phe
130						135					140				
Tyr	Glu	Thr	Thr	Leu	Glu	Ala	Leu	Lys	Asp	Ala	Lys	Asn	Asp	Arg	Leu
145				150					155					160	
Trp	Phe	Lys	Thr	Asn	Thr	Lys	Leu	Gly	Lys	Leu	Tyr	Leu	Glu	Arg	Glu
			165					170						175	
Glu	Tyr	Gly	Lys	Leu	Gln	Lys	Ile	Leu	Arg	Gln	Leu	His	Gln	Ser	Cys
		180					185						190		
Gln	Thr	Asp	Asp	Gly	Glu	Asp	Asp	Leu	Lys	Lys	Gly	Thr	Gln	Leu	Leu
	195						200					205			
Glu	Ile	Tyr	Ala	Leu	Glu	Ile	Gln	Met	Tyr	Thr	Ala	Gln	Lys	Asn	Asn
	210					215					220				
Lys	Lys	Leu	Lys	Ala	Leu	Tyr	Glu	Gln	Ser	Leu	His	Ile	Lys	Ser	Ala
225				230						235					240
Ile	Pro	His	Pro	Leu	Ile	Met	Gly	Val	Ile	Arg	Glu	Cys	Gly	Gly	Lys
			245						250					255	
Met	His	Leu	Arg	Glu	Gly	Glu	Phe	Glu	Lys	Ala	His	Thr	Asp	Phe	Phe

260	265	270
Glu Ala Phe Lys Asn Tyr Asp	Glu Ser Gly Ser Pro Arg Arg Thr Thr	
275	280	285
Cys Leu Lys Tyr Leu Val Leu	Ala Asn Met Leu Met Lys Ser Gly Ile	
290	295	300
Asn Pro Phe Asp Ser Gln Glu	Ala Lys Pro Tyr Lys Asn Asp Pro Glu	
305	310	315
Ile Leu Ala Met Thr Asn Leu	Val Ser Ala Tyr Gln Asn Asn Asp Ile	
325	330	335
Thr Glu Phe Glu Lys Ile Leu	Lys Thr Asn His Ser Asn Ile Met Asp	
340	345	350
Asp Pro Phe Ile Arg Glu His	Ile Glu Glu Leu Leu Arg Asn Ile Arg	
355	360	365
Thr Gln Val Leu Ile Lys Leu	Ile Lys Pro Tyr Thr Arg Ile His Ile	
370	375	380
Pro Phe Ile Ser Lys Glu Leu	Asn Ile Asp Val Ala Asp Val Glu Ser	
385	390	395
Leu Leu Val Gln Cys Ile Leu	Asp Asn Thr Ile His Gly Arg Ile Asp	
405	410	415
Gln Val Asn Gln Leu Leu Glu	Leu Asp His Gln Lys Arg Gly Gly Ala	
420	425	430
Arg Tyr Thr Ala Leu Asp Lys	Trp Thr Asn Gln Leu Asn Ser Leu Asn	
435	440	445
Gln Ala Val Val Ser Lys Leu	Ala	
450	455	

<210> 1596

<211> 375

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1596

Ser Phe Gly Glu Arg Ala Pro Ser Thr Arg Ser Gly Asp Pro Leu Val
 1 5 10 15
 Ala Val Leu Pro Thr Arg Thr Arg Val Pro Gln Ala Ser Arg Cys Pro
 20 25 30
 Ala Gly Ser Ser Cys Pro Thr Pro Gly Ala Arg Pro Pro Ala Ser Pro
 35 40 45
 Gly Pro Leu Pro Arg Pro Ser Ser Arg Arg Ala Arg Ser Met Ala Pro
 50 55 60
 Pro Gln Val Leu Ala Phe Gly Leu Leu Leu Ala Ala Ala Thr Ala Thr
 65 70 75 80
 Phe Ala Ala Ala Gln Glu Glu Cys Val Cys Glu Asn Tyr Lys Leu Ala
 85 90 95
 Val Asn Cys Phe Val Asn Asn Asn Arg Gln Cys Gln Cys Thr Ser Val
 100 105 110
 Gly Ala Gln Asn Thr Val Ile Cys Ser Lys Leu Ala Ala Lys Cys Leu
 115 120 125
 Val Met Lys Ala Glu Met Asn Gly Ser Lys Leu Gly Arg Arg Ala Lys
 130 135 140
 Pro Glu Gly Ala Leu Gln Asn Asn Asp Gly Leu Tyr Asp Pro Asp Cys
 145 150 155 160
 Asp Glu Ser Gly Leu Phe Lys Ala Lys Gln Cys Asn Gly Thr Ser Xaa
 165 170 175
 Cys Trp Cys Val Asn Thr Ala Gly Val Arg Arg Thr Asp Lys Asp Thr
 180 185 190
 Glu Ile Thr Cys Ser Glu Arg Val Arg Thr Tyr Trp Ile Ile Ile Glu
 195 200 205
 Leu Lys His Lys Ala Arg Glu Lys Pro Tyr Asp Ser Lys Ser Leu Arg
 210 215 220
 Thr Ala Leu Gln Lys Glu Ile Thr Thr Arg Tyr Gln Leu Asp Pro Lys
 225 230 235 240
 Phe Ile Thr Ser Ile Leu Tyr Glu Asn Asn Val Ile Thr Ile Asp Leu
 245 250 255
 Val Gln Asn Ser Ser Gln Lys Thr Gln Asn Asp Val Asp Ile Ala Asp
 260 265 270

Val Ala Tyr Tyr Phe Glu Lys Asp Val Lys Gly Glu Ser Leu Phe His
 275 280 285
 Ser Lys Lys Met Asp Leu Thr Val Asn Gly Glu Gln Leu Asp Leu Asp
 290 295 300
 Pro Gly Gln Thr Leu Ile Tyr Tyr Val Asp Glu Lys Ala Pro Glu Phe
 305 310 315 320
 Ser Met Gln Gly Leu Lys Ala Gly Val Ile Ala Val Ile Val Val Val
 325 330 335
 Val Ile Ala Val Val Ala Gly Ile Val Val Leu Val Ile Ser Arg Lys
 340 345 350
 Lys Arg Met Ala Lys Tyr Glu Lys Ala Glu Ile Lys Glu Met Gly Glu
 355 360 365
 Met His Arg Glu Leu Asn Ala
 370 375

<210> 1597

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1597

Ala Leu Gly Pro Gln Ala Ser Pro Leu Gln Ser Leu Ala Ala Ser Leu
 1 5 10 15
 Asp Ala Glu Pro Ser Ser Ala Ala Val Pro Asp Gly Phe Pro Ala Gly
 20 25 30
 Pro Thr Val Ser Pro Arg Arg Leu Ala Arg Pro Pro Gly Leu Glu Glu
 35 40 45
 Ala Leu Ser Ala Leu Gly Leu Gln Gly Glu Arg Asp Thr Pro Gly Thr
 50 55 60
 Ser Ser Pro Lys Ser Trp Xaa Gly Ser Arg Glu Arg Gln Lys His Ser
 65 70 75 80

Val Gly Glu

<210> 1598

<211> 103

<212> PRT

<213> Homo sapiens

<400> 1598

Gln Pro Glu Val Pro Asp Arg Arg Cys Val Ile His Arg Arg Arg Arg
1 5 10 15
Tyr Gly Ser Ser Thr Glu Ala His Ala Lys Leu Ser Thr Met Ala Ser
20 25 30
Ser Thr Val Pro Val Ser Ala Ala Gly Ser Ala Asn Glu Thr Pro Glu
35 40 45
Ile Pro Asp Asn Val Gly Asp Trp Leu Arg Gly Val Tyr Arg Phe Ala
50 55 60
Thr Asp Arg Asn Asp Phe Arg Arg Asn Leu Ile Leu Asn Leu Gly Leu
65 70 75 80
Phe Ala Ala Gly Val Trp Leu Ala Arg Asn Leu Ser Asp Ile Asp Leu
85 90 95
Met Ala Pro Gln Pro Gly Val
100

<210> 1599

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1599

Arg Arg Thr Tyr Tyr Gly Lys Thr Trp Asn Cys Arg Ala Arg Tyr Leu
1 5 10 15

Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ala Asp Trp Gly Gly
20 25 30

Gly Gly Leu Ala Arg Pro Gly Leu Ala Cys Gln Gly Ala Gly Gly Gly
35 40 45

Gly Ser Ser Thr Met Ser Leu Gln Tyr Gly Ala Glu Glu Thr Pro Leu
50 55 60

Ala Gly Ser Tyr Gly Ala Ala Asp Ser Phe Pro Lys Asp Phe Gly Tyr
65 70 75 80

Gly Val Glu Glu Glu Glu Glu Glu Ala Ala Ala Ala Gly Gly Gly Val
85 90 95

Gly Ala Gly Ala Gly Gly Gly Cys Gly Pro Gly Gly Ala Asp Ser Ser
100 105 110

Lys Pro Arg Ile Leu Leu Met Gly Thr Pro Ala Gln Xaa Lys Phe Leu
115 120 125

His Pro Glu Ser Gly Val Xaa Ile Lys Met Phe Asn Gln Arg Asp Pro
130 135 140

Leu Phe Leu Gly Asn Tyr Gln Thr Arg Phe
145 150

<210> 1600

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1600

Gly Cys Ser Phe Lys Trp Gly Leu Thr Gly Asn Val Thr Leu Ser Arg

1 5 10 15
 Asp Val Arg Glu Val Asp Pro Xaa Gln Gly Xaa Pro Gly Arg Gly Thr
 20 25 30
 Gly Cys Ala Leu Pro Gln Ser Glu Asn Leu Leu Tyr Val Val Arg Lys
 35 40 45
 Glu Gln Gly Asp Gln Ala Glu Ser Trp Ala Gly Val Glu Trp Lys Glu
 50 55 60
 Arg Arg Leu Xaa Arg Thr Gly Gly Gly Gly Pro Trp Leu Leu Leu Ser
 65 70 75 80
 Glu Met Gly Thr Thr Gly Gly Phe Glu Gln Arg Ser Ala Leu Ile Asp
 85 90 95
 Leu Tyr Phe Ala Arg Val Ile Leu Ala Ala Ile Leu
 100 105

<210> 1601

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1601

Ala Pro Arg Ser Pro Arg Gly Arg Cys Gly Gly Thr Arg Ala Glu Ala
 1 5 10 15
 Ala Ala Ala Thr Trp Ala Ala Ala Gly Pro Arg Arg Arg Ala Val Arg
 20 25 30
 Met Ser Gly Trp Ala Asp Glu Arg Gly Gly Glu Gly Asp Gly Arg Ile
 35 40 45
 Tyr Val Gly Asn Leu Pro Thr Asp Val Arg Glu Lys Asp Leu Glu Asp
 50 55 60
 Leu Phe Tyr Lys Tyr Gly Arg Ile Arg Glu Ile Glu Leu Lys Asn Arg
 65 70 75 80
 His Gly Leu Val Pro Phe Ala Phe Val Arg Phe Glu Asp Pro Arg Asp
 85 90 95
 Ala Glu Asp Ala Ile Tyr Gly Arg Asn Gly Tyr Asp Tyr Gly Gln Cys
 100 105 110
 Arg Leu Arg Val Glu Phe Pro Arg Thr Tyr Gly Gly Arg Gly Gly Trp
 115 120 125

Pro Arg Gly Gly Arg Asn Gly Pro Pro Thr Arg Arg Ser Asp Phe Arg
 130 135 140
 Val Leu Val Ser Gly Leu Pro Pro Ser Gly Ser Trp Gln Asp Leu Lys
 145 150 155 160
 Asp His Met Arg Glu Ala Gly Asp Val Cys Tyr Ala Asp Val Gln Lys
 165 170 175
 Asp Gly Val Gly Met Val Glu Tyr Leu Arg Lys Glu Asp Met Glu Tyr
 180 185 190
 Ala Leu Arg Lys Leu Asp Asp Thr Lys Phe Arg Ser His Glu Gly Glu
 195 200 205
 Thr Ser Tyr Ile Arg Val Tyr Pro Glu Arg Ser Thr Ser Tyr Gly Tyr
 210 215 220
 Ser Arg Ser Arg Ser Gly Ser Arg Gly Arg Asp Ser Pro Tyr Gln Ser
 225 230 235 240
 Arg Gly Ser Pro His Tyr Phe Ser Pro Phe Arg Pro Tyr
 245 250

<210> 1602

<211> 310

<212> PRT

<213> Homo sapiens

<400> 1602

Pro Arg Ala Ala Arg Pro Pro Ala Met Glu Pro Gly Pro Asp Gly Pro
 1 5 10 15
 Ala Ala Ser Gly Pro Ala Ala Ile Arg Glu Gly Trp Phe Arg Glu Thr
 20 25 30
 Cys Ser Leu Trp Pro Gly Gln Ala Leu Ser Leu Gln Val Glu Gln Leu
 35 40 45
 Leu His His Arg Arg Ser Arg Tyr Gln Asp Ile Leu Val Phe Arg Ser
 50 55 60
 Lys Thr Tyr Gly Asn Val Leu Val Leu Asp Gly Val Ile Gln Cys Thr
 65 70 75 80
 Glu Arg Asp Glu Phe Ser Tyr Gln Glu Met Ile Ala Asn Leu Pro Leu
 85 90 95

Cys Ser His Pro Asn Pro Arg Lys Val Leu Ile Ile Gly Gly Gly Asp
 100 105 110
 Gly Gly Val Leu Arg Glu Val Val Lys His Pro Ser Val Glu Ser Val
 115 120 125
 Val Gln Cys Glu Ile Asp Glu Asp Val Ile Gln Val Ser Lys Lys Phe
 130 135 140
 Leu Pro Gly Met Ala Ile Gly Tyr Ser Ser Ser Lys Leu Thr Leu His
 145 150 155 160
 Val Gly Asp Gly Phe Glu Phe Met Lys Gln Asn Gln Asp Ala Phe Asp
 165 170 175
 Val Ile Ile Thr Asp Ser Ser Asp Pro Met Gly Pro Ala Glu Ser Leu
 180 185 190
 Phe Lys Glu Ser Tyr Tyr Gln Leu Met Lys Thr Ala Leu Lys Glu Asp
 195 200 205
 Gly Val Leu Cys Cys Gln Gly Glu Cys Gln Trp Leu His Leu Asp Leu
 210 215 220
 Ile Lys Glu Met Arg Gln Phe Cys Gln Ser Leu Phe Pro Val Val Ala
 225 230 235 240
 Tyr Ala Tyr Cys Thr Ile Pro Thr Tyr Pro Ser Gly Gln Ile Gly Phe
 245 250 255
 Met Leu Cys Ser Lys Asn Pro Ser Thr Asn Phe Gln Glu Pro Val Gln
 260 265 270
 Pro Leu Thr Gln Gln Gln Val Ala Gln Met Gln Leu Lys Tyr Tyr Asn
 275 280 285
 Ser Asp Val His Arg Ala Ala Phe Val Leu Pro Glu Phe Ala Arg Lys
 290 295 300
 Ala Leu Asn Asp Val Ser
 305 310

<210> 1603

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1603

Val	Asn	Val	Ser	Gly	Phe	Val	Gln	Gly	Thr	Cys	Lys	Gly	Phe	Gly	Ser
1				5					10					15	

Met	Val	Arg	Xaa	Glu	Arg	Gln	Glu	Leu	Glu	Xaa	Met	Leu	Leu	Xaa	Lys
			20					25						30	

Ser	Arg	Asp	Ile	Asn	Phe	Gly	Val	Thr
		35					40	

<210> 1604

<211> 132

<212> PRT

<213> Homo sapiens

<400> 1604

Ser	Ala	Trp	Arg	Ser	Pro	Asn	Thr	Ala	Val	Gln	Pro	Ala	Ala	Cys	Pro
1				5					10					15	

Lys	Gln	Cys	Asn	Pro	Glu	Thr	Arg	Pro	Val	Glu	Lys	Lys	Ile	Arg	Ser
			20					25						30	

Ala	Leu	Pro	Thr	Lys	Thr	Val	Lys	Pro	Val	Glu	Asn	Lys	Asp	Asp	Asp
		35					40					45			

Asp	Ser	Ile	Ala	Asp	Phe	Leu	Asn	Ser	Asp	Glu	Glu	Glu	Asp	Arg	Val
	50					55					60				

Ser	Leu	Gln	Asn	Leu	Lys	Asn	Leu	Gly	Glu	Ser	Ala	Thr	Leu	Arg	Ser
65					70					75					80

Leu	Leu	Leu	Asn	Pro	His	Leu	Arg	Gln	Leu	Met	Val	Asn	Leu	Asp	Gln
			85						90					95	

Gly	Glu	Asp	Lys	Ala	Lys	Leu	Met	Arg	Ala	Tyr	Met	Gln	Glu	Pro	Leu
			100					105						110	

Phe Val Glu Phe Ala Asp Cys Cys Leu Gly Ile Val Glu Pro Ser Gln
115 120 125

Asn Glu Glu Ser
130

<210> 1605

<211> 326

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (226)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (285)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (287)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (290)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (298)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (306)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1605

Pro	Arg	Ile	His	Leu	Glu	Asn	Val	Ser	Glu	Asp	Glu	Ile	Asn	Arg	Leu
1				5					10					15	

Leu	Gly	Met	Val	Val	Asp	Val	Glu	Asn	Leu	Phe	Met	Ser	Xaa	Xaa	Lys
			20					25					30		

Glu	Glu	Asp	Thr	Asp	Thr	Lys	Gln	Val	Tyr	Phe	Tyr	Leu	Phe	Lys	Leu
		35					40					45			

Leu	Arg	Lys	Cys	Ile	Leu	Gln	Met	Thr	Arg	Pro	Val	Val	Glu	Gly	Ser
	50					55					60				

Leu	Gly	Ser	Pro	Pro	Phe	Glu	Lys	Pro	Asn	Ile	Glu	Gln	Gly	Val	Leu
65					70					75					80

Asn	Phe	Val	Gln	Tyr	Lys	Phe	Ser	His	Leu	Ala	Pro	Arg	Glu	Arg	Gln
			85						90					95	

Thr	Met	Phe	Glu	Leu	Ser	Lys	Met	Phe	Leu	Leu	Cys	Leu	Asn	Tyr	Trp
		100						105					110		

Lys	Leu	Glu	Xaa	Pro	Ala	Gln	Phe	Arg	Gln	Arg	Ser	Gln	Ala	Glu	Asp
	115						120					125			

Val	Ala	Thr	Tyr	Lys	Val	Asn	Tyr	Thr	Arg	Trp	Leu	Cys	Tyr	Cys	His
	130					135					140				

Val	Pro	Gln	Ser	Cys	Asp	Ser	Leu	Pro	Arg	Tyr	Glu	Thr	Thr	His	Val
145					150					155					160

Phe	Gly	Arg	Ser	Leu	Leu	Arg	Ser	Ile	Phe	Thr	Val	Thr	Arg	Arg	Gln
			165					170						175	

Leu	Leu	Glu	Lys	Phe	Xaa	Val	Glu	Lys	Asp	Lys	Leu	Val	Pro	Glu	Lys
		180						185					190		

Arg	Thr	Ser	Ser	Ser	Leu	Thr	Ser	Pro	Ser	Lys	Ala	Pro	Ser	Gly	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

195	200	205
Pro Gly Phe Gly Pro Lys Phe Thr Ser Ser Leu Leu Ser Pro Phe Phe		
210	215	220
Gln Xaa Gly Phe Leu Asp Trp Ser Leu Leu Ser Leu His Gly Pro Phe		
225	230	235 240
Gly Ile Trp Ala Ser Thr Trp Gln Thr Cys Pro Trp Pro Arg Ser Asn		
	245	250 255
Leu Leu Val Leu Val Trp Gly Trp Gln Ile Pro Val His Ala Gly Gly		
	260	265 270
Gly Asp Leu Trp Gly Lys Leu Ser Asn Leu Gly Val Xaa Leu Xaa His		
	275	280 285
Ala Xaa Leu Arg Gly Asp Thr Ala Gly Xaa Pro Gly Gln Leu Gln Ser		
	290	295 300
Val Xaa Gly Leu Phe Pro Ala Pro Pro Ser Ser Ala Pro Ala Trp Val		
305	310	315 320
Gly Ala Ala Thr Ala Pro		
	325	

<210> 1606

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1606

Phe Gly Thr Trp Lys Lys Lys Lys Lys Thr Leu Arg Asp Ser Leu Cys

1

5

10

15

Glu Glu Leu Leu Thr Glu Ser Leu Ser Thr Phe Leu Pro Pro Asp Xaa
 20 25 30
 Glu Asp Xaa Gly Val Ser Val Ser Val Leu Ser Pro Leu Leu Phe Pro
 35 40 45
 Asn Gln Gly Leu Cys His Tyr Cys Pro Ser Gln Leu Ser Met Gln Glu
 50 55 60
 Asp Arg Val Ala Trp Xaa Ser Tyr Pro Cys Pro Ser Pro Lys Gly Ser
 65 70 75 80
 Thr Arg Lys Leu Lys Arg Leu Lys Lys Lys Arg Val Cys Ser
 85 90

<210> 1607

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1607

Ala Ala Ala Trp Cys Ala Arg Leu Ala Gly Asp Gly Ile Arg Arg Thr
 1 5 10 15
 Trp Thr Pro Pro Glu Trp Lys Pro Lys Gln Glu Leu Leu Leu Leu Arg
 20 25 30
 Gly Cys Arg Ser Arg Arg Glu Pro Pro Asp Arg Arg Gln Ser Glu Glu
 35 40 45
 Gly Ala Thr Arg Leu Gly Lys Met Thr Gln Phe Leu Pro Pro Asn Leu
 50 55 60
 Leu Ala Leu Phe Ala Pro Arg Asp Pro Ile Pro Tyr Leu Pro Pro Leu
 65 70 75 80
 Glu Lys Leu Pro His Glu Lys His His Asn Gln Pro Tyr Cys Gly Ile
 85 90 95
 Ala Pro Tyr Ile Arg Glu Phe Glu Asp Pro Arg Asp Ala Pro Pro Pro
 100 105 110
 Thr Arg Ala Glu Thr Arg Glu Glu Arg Met Glu Arg Lys Arg Arg Glu
 115 120 125
 Lys Ile Glu Arg Arg Gln Gln Glu Val Glu Thr Glu Leu Lys Met Trp
 130 135 140

Asp Pro His Asn Asp Pro Asn Ala Gln Gly Asp Ala Phe Lys Thr Leu
 145 150 155 160
 Phe Val Ala Arg Val Asn Tyr Asp Thr Thr Glu Ser Lys Leu Arg Arg
 165 170 175
 Glu Phe Glu Val Tyr Gly Pro Ile Lys Arg Ile His Met Val Tyr Ser
 180 185 190
 Lys Arg Ser Gly Lys Pro Arg Gly Tyr Ala Phe Ile Glu Tyr Glu His
 195 200 205
 Glu Arg Asp Met His Ser Ala Tyr Lys His Ala Asp Gly Lys Lys Ile
 210 215 220
 Asp Gly Arg Arg Val Leu Val Asp Val Glu Arg Gly Arg Thr Val Lys
 225 230 235 240
 Gly Trp Arg Pro Gly Gly
 245

<210> 1608

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1608

Gly Pro Ser Leu Ser Leu Met Phe Lys Gln Ser Leu Ser Met Lys Leu
 1 5 10 15

Gly Gly Asp Arg Val Ser Cys Gln Phe Leu Thr Ala Thr Ser His Gln
 20 25 30

Trp Leu His Ser Val Ser Leu Thr Gln His Met Ala Gln Glu Cys Cys
 35 40 45

His Pro Ser Val Phe Tyr Ser Ser Asn Pro Arg Xaa Trp Xaa Leu Arg
 50 55 60

Asp
65

<210> 1609
<211> 213
<212> PRT
<213> Homo sapiens

<400> 1609

Glu	Ser	Gln	Glu	Asp	Lys	Glu	Pro	Lys	Glu	Glu	Thr	Pro	Ala	Gly	Gly	1	5	10	15
Arg	Ala	Ala	Ala	Ala	Asp	Pro	Gly	Trp	Gly	Ser	Gln	Pro	Ala	Gln	Gln	20	25	30	
Arg	Ala	Ala	Arg	Lys	Ala	Ser	Lys	Glu	Glu	Gly	Ala	Arg	Arg	Gly	Val	35	40	45	
Arg	Gly	Leu	Gly	Val	Arg	Pro	Leu	Arg	Pro	Leu	Gly	Asn	Arg	Glu	Trp	50	55	60	
Thr	Ala	Glu	Gln	Thr	Val	Gly	Leu	Ser	Gly	Val	Trp	Gly	Asn	Thr	Gly	65	70	75	80
Asn	Ser	Ser	Gln	Glu	Gly	Tyr	Pro	Pro	Tyr	Trp	Leu	Pro	Pro	Pro	Ala	85	90	95	
Ala	Gln	Leu	Cys	Pro	Pro	Glu	Pro	Ser	Val	Ser	Leu	Asn	Pro	Ser	Leu	100	105	110	
Phe	Phe	Pro	Thr	Ser	Thr	Phe	Trp	Thr	Phe	Pro	Leu	Pro	Phe	Pro	Val	115	120	125	
Phe	Lys	Ile	Ser	Val	Thr	Thr	Pro	Gly	Thr	Phe	Ala	Ala	Asp	Leu	Gly	130	135	140	
Val	Leu	Phe	Lys	Arg	Lys	Ser	Gly	Gly	Trp	Glu	Ser	Leu	Gly	Glu	Leu	145	150	155	160
Arg	Leu	Arg	Val	Glu	Gly	Val	Cys	Pro	Ser	Leu	Gly	Val	Leu	Val	Pro	165	170	175	
Val	Arg	Gly	Val	Tyr	Gly	Leu	Phe	Pro	Ser	Pro	Ser	Leu	Ile	Phe	Phe	180	185	190	
Phe	Phe	Leu	Lys	Lys	Ala	Lys	Met	Arg	Ile	Asn	Thr	Ser	Arg	His	Val	195	200	205	
Lys	Lys	Lys	Lys	Lys															

210

<210> 1610

<211> 916

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (365)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (524)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (687)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (806)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1610

Arg Pro Thr Arg Pro Ala Gly Ser Thr Asp Cys His Gly Ala Ala Ala
1 5 10 15

Gly Val Arg Ala Thr Leu Val Leu Glu Leu Leu Asp Thr Asp Gly Leu
20 25 30

Val Val Cys Ala Arg Gly Leu Gly Ala Asp Arg Leu Leu Tyr His Phe
35 40 45

Leu Gln Leu His Cys His Pro Ala Cys Leu Val Leu Val Leu Asn Thr
50 55 60

Gln Pro Ala Glu Glu Glu Tyr Phe Ile Asn Gln Leu Lys Ile Glu Gly
65 70 75 80

Val Glu His Leu Pro Arg Arg Val Thr Asn Glu Ile Thr Ser Asn Ser
85 90 95

Arg Tyr Glu Val Tyr Thr Gln Gly Gly Val Ile Phe Ala Thr Ser Arg
100 105 110

Ile Leu Val Val Asp Phe Leu Thr Asp Arg Ile Pro Ser Asp Leu Ile
 115 120 125
 Thr Gly Ile Leu Val Tyr Arg Ala His Arg Ile Ile Glu Ser Cys Gln
 130 135 140
 Glu Ala Phe Ile Leu Arg Leu Phe Arg Gln Lys Asn Lys Arg Gly Phe
 145 150 155 160
 Ile Lys Ala Phe Thr Asp Asn Ala Val Ala Phe Asp Thr Gly Phe Cys
 165 170 175
 His Val Glu Arg Val Met Arg Asn Leu Phe Val Arg Lys Leu Tyr Leu
 180 185 190
 Trp Pro Arg Phe His Val Ala Val Asn Ser Phe Leu Glu Gln His Lys
 195 200 205
 Pro Glu Val Val Glu Ile His Val Ser Met Thr Pro Thr Met Leu Ala
 210 215 220
 Ile Gln Thr Ala Ile Leu Asp Ile Leu Asn Ala Cys Leu Lys Glu Leu
 225 230 235 240
 Lys Cys His Asn Pro Ser Leu Glu Val Glu Asp Leu Ser Leu Glu Asn
 245 250 255
 Ala Ile Gly Lys Pro Phe Asp Lys Thr Ile Arg His Tyr Leu Asp Pro
 260 265 270
 Leu Trp His Gln Leu Gly Ala Lys Thr Lys Ser Leu Val Gln Asp Leu
 275 280 285
 Lys Ile Leu Arg Thr Leu Leu Gln Tyr Leu Ser Gln Tyr Asp Cys Val
 290 295 300
 Thr Phe Leu Asn Leu Leu Glu Ser Leu Arg Ala Thr Glu Lys Ala Phe
 305 310 315 320
 Gly Gln Asn Ser Gly Trp Leu Phe Leu Asp Ser Ser Thr Ser Met Phe
 325 330 335
 Ile Asn Ala Arg Ala Arg Val Tyr His Leu Pro Asp Ala Lys Met Ser
 340 345 350
 Lys Lys Glu Lys Ile Ser Glu Lys Met Glu Ile Lys Xaa Gly Glu Glu
 355 360 365
 Thr Lys Lys Glu Leu Val Leu Glu Ser Asn Pro Lys Trp Glu Ala Leu
 370 375 380

Thr Glu Val Leu Lys Glu Ile Glu Ala Glu Asn Lys Glu Ser Glu Ala
385 390 395 400

Leu Gly Gly Pro Gly Gln Val Leu Ile Cys Ala Ser Asp Asp Arg Thr
405 410 415

Cys Ser Gln Leu Arg Asp Tyr Ile Thr Leu Gly Ala Glu Ala Phe Leu
420 425 430

Leu Arg Leu Tyr Arg Lys Thr Phe Glu Lys Asp Ser Lys Ala Glu Glu
435 440 445

Val Trp Met Lys Phe Arg Lys Glu Asp Ser Ser Lys Arg Ile Arg Lys
450 455 460

Ser His Lys Arg Pro Lys Asp Pro Gln Asn Lys Glu Arg Ala Ser Thr
465 470 475 480

Lys Glu Arg Thr Leu Lys Lys Lys Lys Arg Lys Leu Thr Leu Thr Gln
485 490 495

Met Val Gly Lys Pro Glu Glu Leu Glu Glu Glu Gly Asp Val Glu Glu
500 505 510

Gly Tyr Arg Arg Glu Ile Ser Ser Ser Pro Glu Xaa Cys Pro Glu Glu
515 520 525

Ile Lys His Glu Glu Phe Asp Val Asn Leu Ser Ser Asp Ala Ala Phe
530 535 540

Gly Ile Leu Lys Glu Pro Leu Thr Ile Ile His Pro Leu Leu Gly Cys
545 550 555 560

Ser Asp Pro Tyr Ala Leu Thr Arg Val Leu His Glu Val Glu Pro Arg
565 570 575

Tyr Val Val Leu Tyr Asp Ala Glu Leu Thr Phe Val Arg Gln Leu Glu
580 585 590

Ile Tyr Arg Ala Ser Arg Pro Gly Lys Pro Leu Arg Val Tyr Phe Leu
595 600 605

Ile Tyr Gly Gly Ser Thr Glu Glu Gln Arg Tyr Leu Thr Ala Leu Arg
610 615 620

Lys Glu Lys Glu Ala Phe Glu Lys Leu Ile Arg Glu Lys Ala Ser Met
625 630 635 640

Val Val Pro Glu Glu Arg Glu Gly Arg Asp Glu Thr Asn Leu Asp Leu
645 650 655

Val Arg Gly Thr Ala Ser Ala Asp Val Ser Thr Asp Thr Arg Lys Ala	660	665	670
Gly Gly Gln Glu Gln Asn Gly Thr Gln Gln Ser Ile Val Val Xaa Met	675	680	685
Arg Glu Phe Arg Ser Glu Leu Pro Ser Leu Ile His Arg Arg Asp Ile	690	695	700
Asp Ile Glu Pro Val Thr Leu Glu Val Gly Asp Tyr Ile Leu Thr Pro	705	710	715
Glu Met Cys Val Glu Arg Lys Ser Ile Ser Asp Leu Ile Gly Ser Leu	725	730	735
Asn Asn Gly Arg Leu Tyr Ser Gln Cys Ile Ser Met Ser Arg Tyr Tyr	740	745	750
Lys Arg Pro Val Leu Leu Ile Glu Phe Asp Pro Ser Lys Pro Phe Ser	755	760	765
Leu Thr Ser Arg Gly Ala Leu Phe Gln Glu Ile Ser Ser Asn Asp Ile	770	775	780
Ser Ser Lys Leu Thr Leu Leu Thr Leu His Phe Pro Arg Leu Arg Ile	785	790	795
Leu Trp Cys Pro Ser Xaa His Ala Thr Ala Glu Leu Phe Glu Glu Leu	805	810	815
Lys Gln Ser Lys Pro Gln Pro Asp Ala Ala Thr Ala Leu Ala Ile Thr	820	825	830
Ala Asp Ser Glu Thr Leu Pro Glu Ser Glu Lys Tyr Asn Pro Gly Pro	835	840	845
Gln Asp Phe Leu Leu Lys Met Pro Gly Val Asn Ala Lys Asn Cys Arg	850	855	860
Ser Leu Met His His Val Lys Asn Ile Ala Glu Leu Ala Ala Leu Ser	865	870	875
Gln Asp Glu Leu Thr Ser Ile Leu Gly Asn Ala Ala Asn Ala Lys Gln	885	890	895
Leu Tyr Asp Phe Ile His Thr Ser Phe Ala Glu Val Val Ser Lys Gly	900	905	910
Lys Gly Lys Lys	915		

<210> 1611

<211> 197

<212> PRT

<213> Homo sapiens

<400> 1611

Gly Gly Gly Pro Ala Pro Gly Asp Ile Val Phe Cys Arg Asn Gln Pro
1 5 10 15

Lys Asp Glu Asp Ala Asp Met Met Lys Tyr Ile Glu Thr Glu Leu Lys
20 25 30

Lys Arg Lys Gly Ile Val Glu His Glu Glu Gln Lys Val Lys Pro Lys
35 40 45

Asn Ala Glu Asp Cys Leu Tyr Glu Leu Pro Glu Asn Ile Arg Val Ser
50 55 60

Ser Ala Lys Lys Thr Glu Glu Met Leu Ser Asn Gln Met Leu Ser Gly
65 70 75 80

Ile Pro Glu Val Asp Leu Gly Ile Asp Ala Lys Ile Lys Asn Ile Ile
85 90 95

Ser Thr Glu Asp Ala Lys Ala Arg Leu Leu Ala Glu Gln Gln Asn Lys
100 105 110

Lys Lys Asp Ser Glu Thr Ser Phe Val Pro Thr Asn Met Ala Val Asn
115 120 125

Tyr Val Gln His Asn Arg Phe Tyr His Glu Glu Leu Asn Ala Pro Ile
130 135 140

Arg Arg Asn Lys Glu Glu Pro Lys Ala Arg Pro Leu Arg Val Gly Asp
145 150 155 160

Thr Glu Lys Pro Glu Pro Glu Arg Ser Pro Pro Asn Arg Lys Arg Pro
165 170 175

Ala Asn Glu Lys Ala Thr Asp Asp Tyr His Tyr Glu Lys Phe Lys Lys
180 185 190

Met Asn Arg Arg Tyr
195

<210> 1612

<211> 476

<212> PRT

<213> Homo sapiens

<400> 1612

Pro Arg Val Arg Gly Asp Val Gly Met Ala Gly Val Ala Ile Asp Thr
 1 5 10 15

Val Glu Asp Thr Lys Ile Leu Phe Asp Gly Ile Pro Leu Glu Lys Met
 20 25 30

Ser Val Ser Met Thr Met Asn Gly Ala Val Ile Pro Val Leu Ala Asn
 35 40 45

Phe Ile Val Thr Gly Glu Glu Gln Gly Val Pro Lys Glu Lys Leu Thr
 50 55 60

Gly Thr Ile Gln Asn Asp Ile Leu Lys Glu Phe Met Val Arg Asn Thr
 65 70 75 80

Tyr Ile Phe Pro Pro Glu Pro Ser Met Lys Ile Ile Ala Asp Ile Phe
 85 90 95

Glu Tyr Thr Ala Lys His Met Pro Lys Phe Asn Ser Ile Ser Ile Ser
 100 105 110

Gly Tyr His Met Gln Glu Ala Gly Ala Asp Ala Ile Leu Glu Leu Ala
 115 120 125

Tyr Thr Leu Ala Asp Gly Leu Glu Tyr Ser Arg Thr Gly Leu Gln Ala
 130 135 140

Gly Leu Thr Ile Asp Glu Phe Ala Pro Arg Leu Ser Phe Phe Trp Gly
 145 150 155 160

Ile Gly Met Asn Phe Tyr Met Glu Ile Ala Lys Met Arg Ala Gly Arg
 165 170 175

Arg Leu Trp Ala His Leu Ile Glu Lys Met Phe Gln Pro Lys Asn Ser
 180 185 190

Lys Ser Leu Leu Leu Arg Ala His Cys Gln Thr Ser Gly Trp Ser Leu
 195 200 205

Thr Glu Gln Asp Pro Tyr Asn Asn Ile Val Arg Thr Ala Ile Glu Ala
 210 215 220

Met Ala Ala Val Phe Gly Gly Thr Gln Ser Leu His Thr Asn Ser Phe
 225 230 235 240

Asp Glu Ala Leu Gly Leu Pro Thr Val Lys Ser Ala Arg Ile Ala Arg
 245 250 255

Asn Thr Gln Ile Ile Ile Gln Glu Glu Ser Gly Ile Pro Lys Val Ala
260 265 270

Asp Pro Trp Gly Gly Ser Tyr Met Met Glu Cys Leu Thr Asn Asp Val
275 280 285

Tyr Asp Ala Ala Leu Lys Leu Ile Asn Glu Ile Glu Glu Met Gly Gly
290 295 300

Met Ala Lys Ala Val Ala Glu Gly Ile Pro Lys Leu Arg Ile Glu Glu
305 310 315 320

Cys Ala Ala Arg Arg Gln Ala Arg Ile Asp Ser Gly Ser Glu Val Ile
325 330 335

Val Gly Val Asn Lys Tyr Gln Leu Glu Lys Glu Asp Ala Val Glu Val
340 345 350

Leu Ala Ile Asp Asn Thr Ser Val Arg Asn Arg Gln Ile Glu Lys Leu
355 360 365

Lys Lys Ile Lys Ser Ser Arg Asp Gln Ala Leu Ala Glu Arg Cys Leu
370 375 380

Ala Ala Leu Thr Glu Cys Ala Ala Ser Gly Asp Gly Asn Ile Leu Ala
385 390 395 400

Leu Ala Val Asp Ala Ser Arg Ala Arg Cys Thr Val Gly Glu Ile Thr
405 410 415

Asp Ala Leu Lys Lys Val Phe Gly Glu His Lys Ala Asn Asp Arg Met
420 425 430

Val Ser Gly Ala Tyr Arg Gln Glu Phe Gly Glu Ser Lys Glu Ile Thr
435 440 445

Ser Ala Ile Lys Arg Val His Lys Phe Met Glu Arg Glu Gly Arg Ser
450 455 460

Ser Ser Ser Cys Ser Lys Asn Gly Thr Arg Trp Pro
465 470 475

<210> 1613

<211> 319

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (289)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1613

Gln	His	His	Arg	Ala	Ala	His	Leu	Lys	Trp	Ile	Phe	Val	Gly	Gly	Lys
1				5				10					15		

Gly	Gly	Val	Gly	Lys	Thr	Thr	Cys	Ser	Cys	Ser	Leu	Ala	Val	Gln	Leu
			20				25					30			

Ser	Lys	Gly	Arg	Glu	Ser	Val	Leu	Ile	Ile	Ser	Thr	Asp	Pro	Ala	His
		35					40					45			

Asn	Ile	Ser	Asp	Ala	Phe	Asp	Gln	Lys	Phe	Ser	Lys	Val	Pro	Thr	Lys
50						55					60				

Val	Lys	Gly	Tyr	Asp	Asn	Leu	Phe	Ala	Met	Glu	Ile	Asp	Pro	Ser	Leu
65					70					75					80

Gly	Val	Ala	Xaa	Xaa	Pro	Asp	Glu	Phe	Phe	Glu	Glu	Asp	Asn	Met	Leu
			85					90					95		

Ser	Met	Gly	Lys	Lys	Met	Met	Gln	Glu	Ala	Met	Ser	Ala	Phe	Pro	Gly
			100				105					110			

Ile	Asp	Glu	Ala	Met	Ser	Tyr	Ala	Glu	Val	Met	Arg	Leu	Val	Lys	Gly
	115						120					125			

Met	Asn	Phe	Ser	Val	Val	Val	Phe	Asp	Thr	Ala	Pro	Thr	Gly	His	Thr
130						135					140				

Leu	Arg	Leu	Leu	Asn	Phe	Pro	Thr	Ile	Val	Glu	Arg	Gly	Leu	Gly	Arg
145				150						155				160	

Leu	Met	Gln	Ile	Lys	Asn	Gln	Ile	Ser	Pro	Phe	Ile	Ser	Gln	Met	Cys
			165					170						175	

Asn	Met	Leu	Gly	Leu	Gly	Asp	Met	Asn	Ala	Asp	Gln	Leu	Ala	Ser	Lys
		180						185					190		

Leu Glu Glu Thr Leu Pro Val Ile Arg Ser Val Ser Glu Gln Phe Lys
 195 200 205
 Asp Pro Glu Gln Thr Thr Phe Ile Cys Val Cys Ile Ala Glu Phe Leu
 210 215 220
 Ser Leu Tyr Glu Thr Glu Arg Leu Ile Gln Glu Leu Ala Lys Cys Lys
 225 230 235 240
 Ile Asp Thr His Asn Ile Ile Val Asn Gln Leu Val Phe Pro Asp Pro
 245 250 255
 Glu Lys Pro Cys Lys Met Cys Glu Ala Arg His Lys Ile Gln Ala Lys
 260 265 270
 Tyr Leu Asp Gln Met Glu Asp Leu Tyr Glu Asp Phe His Ile Val Lys
 275 280 285
 Xaa Pro Leu Leu Pro His Glu Val Arg Gly Ala Asp Lys Val Asn Thr
 290 295 300
 Phe Ser Ala Leu Leu Leu Glu Pro Tyr Lys Pro Pro Ser Ala Gln
 305 310 315

<210> 1614

<211> 207

<212> PRT

<213> Homo sapiens

<400> 1614

His Glu Glu Arg Gly Gln Gly Arg Phe Leu Lys Met Ala Ala Leu Lys
 1 5 10 15
 Ala Leu Val Ser Gly Cys Gly Arg Leu Leu Arg Gly Leu Leu Ala Gly
 20 25 30
 Pro Ala Ala Thr Ser Trp Ser Arg Leu Pro Ala Arg Gly Phe Arg Glu
 35 40 45
 Val Val Glu Thr Gln Glu Gly Lys Thr Thr Ile Ile Glu Gly Arg Ile
 50 55 60
 Thr Ala Thr Pro Lys Glu Ser Pro Asn Pro Pro Asn Pro Ser Gly Gln
 65 70 75 80
 Cys Pro Ile Cys Arg Trp Asn Leu Lys His Lys Tyr Asn Tyr Asp Asp
 85 90 95
 Val Leu Leu Leu Ser Gln Phe Ile Arg Pro His Gly Gly Met Leu Pro

100	105	110
Arg Lys Ile Thr Gly Leu Cys Gln Glu Glu His Arg Lys Ile Glu Glu		
115	120	125
Cys Val Lys Met Ala His Arg Ala Gly Leu Leu Pro Asn His Arg Pro		
130	135	140
Arg Leu Pro Glu Gly Val Val Pro Lys Ser Lys Pro Gln Leu Asn Arg		
145	150	155
Tyr Leu Thr Arg Trp Ala Pro Gly Ser Val Lys Pro Ile Tyr Lys Lys		
165	170	175
Gly Pro Arg Trp Asn Arg Val Arg Met Pro Val Gly Ser Pro Leu Leu		
180	185	190
Arg Asp Asn Val Cys Tyr Ser Arg Thr Pro Trp Lys Leu Tyr His		
195	200	205

<210> 1615

<211> 304

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1615

Pro Thr Arg Pro Arg Val His Leu Ala Thr Val Ser Ala Ser Ala Ala
1 5 10 15

Trp Asp Ala Leu Gly Leu Pro Val Arg Ser His Met Gln Gly Ser Thr
20 25 30

Arg Arg Met Gly Val Met Thr Asp Val His Arg Arg Phe Leu Gln Leu
35 40 45

Leu Met Thr His Gly Val Leu Glu Glu Trp Asp Val Lys Arg Leu Gln
50 55 60

Thr His Cys Tyr Lys Val His Asp Arg Asn Ala Thr Val Asp Lys Leu
65 70 75 80

Glu Asp Phe Ile Asn Asn Ile Asn Ser Val Leu Glu Ser Leu Tyr Ile
85 90 95

Glu Ile Lys Arg Gly Val Thr Glu Asp Asp Gly Arg Pro Ile Tyr Ala
100 105 110

Leu Val Asn Leu Ala Thr Thr Ser Ile Ser Lys Met Ala Thr Asp Phe
115 120 125

Ala Glu Asn Glu Leu Asp Leu Phe Arg Lys Ala Leu Glu Leu Ile Ile
130 135 140

Asp Ser Glu Thr Gly Phe Ala Ser Ser Thr Asn Ile Leu Asn Leu Val
145 150 155 160

Asp Gln Leu Lys Gly Lys Lys Met Arg Lys Lys Glu Ala Xaa Gln Val
165 170 175

Leu Gln Lys Phe Val Gln Asn Lys Trp Leu Ile Glu Lys Glu Gly Glu
180 185 190

Phe Thr Leu His Gly Arg Ala Ile Leu Glu Met Glu Gln Tyr Ile Arg
195 200 205

Glu Thr Tyr Pro Asp Ala Val Lys Ile Cys Asn Ile Cys His Ser Leu
210 215 220

Leu Ile Gln Gly Gln Ser Cys Glu Thr Cys Gly Ile Arg Met His Leu
225 230 235 240

Pro Cys Val Ala Lys Tyr Phe Gln Ser Asn Ala Glu Pro Arg Cys Pro
245 250 255

His Cys Asn Asp Tyr Trp Pro His Glu Ile Pro Lys Val Phe Asp Pro
260 265 270

Glu Lys Glu Arg Glu Ser Gly Val Leu Lys Ser Asn Lys Lys Ser Cys
275 280 285

Gly Pro Gly Ser Ile Ser His Arg Ala Leu Leu Arg Gly Trp Leu Pro
290 295 300

<210> 1616

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1616

Ala Glu Xaa Leu Gly Gly Pro Gly Xaa Ala Ser Gly Gly Glu Thr Ser
1 5 10 15

Val Glu Arg Arg Arg Thr Cys Ala Phe Asp Thr Leu Glu Ala Phe Leu
20 25 30

Ile Met Asp Gly Glu Asp Ile Pro Asp Phe Ser Ser Leu Lys Glu Glu
35 40 45

Thr Ala Tyr Trp Lys Glu Leu Ser Leu Lys Tyr Lys Gln Arg Ala Thr
50 55 60

Ile Val Ser Leu Glu Asp Phe Glu Gln Arg Leu Asn Gln Ala Ile Glu
65 70 75 80

Arg Asn Ala Phe Leu Glu Ser Glu Leu Asp Glu Lys Glu Ser Leu Leu
85 90 95

Val Ser Val Gln Arg Leu Lys Asp Glu Ala Arg Asp Leu Arg Gln Glu
100 105 110

Leu Ala Val Arg Glu Arg Gln Gln Glu Val Thr Arg Lys Ser Ala Pro
115 120 125

Ser Ser Pro Thr Leu Asp Cys Glu Lys Met Asp Ser Ala Val Gln Ala
130 135 140

Ser Leu Ser Leu Pro Ala Thr Pro Val Gly Lys Gly Thr Glu Asn Thr
145 150 155 160

Phe Pro Ser Pro Lys Ala Ile Pro Asn Gly Phe Gly Thr Ser Pro Leu
165 170 175

Thr Pro Ser Ala Arg Ile Ser Ala Leu Asn Ile Val Gly Gly Ser Leu
180 185 190

Thr Glu Ser Arg Gly Phe Arg Ile Gln Ile Ser Ser Leu Gln Glu Phe

195 200 205
 Cys Lys Gly Pro Ser Ile Thr Xaa Ile Leu Tyr Phe Arg Glu Cys
 210 215 220

 <210> 1617
 <211> 138
 <212> PRT
 <213> Homo sapiens

 <400> 1617
 Val Lys Gln Tyr Leu Arg Thr Gly Tyr Lys Gln Tyr Phe Leu Lys Leu
 1 5 10 15

 Ser Pro Ile Phe Pro Pro Met Arg Pro Phe Gln Thr Gln Ile Ser His
 20 25 30

 Asn Arg Ala Arg Thr Ile Ile Thr Ser Pro Asp Ser Glu Pro Glu Cys
 35 40 45

 Phe Pro Gln Asp Cys Val Ala Pro Asn Ala Leu Arg Ser Ile Val Gly
 50 55 60

 Glu Ser Cys His Trp Asp Ser Thr Ser Arg Pro Gly Asp Gln Ala Ser
 65 70 75 80

 Arg Ile Pro Leu Glu Thr Pro Pro Leu Phe His Tyr His Pro Ala Thr
 85 90 95

 Ser Ser Ser Ala Met Pro Trp Phe Pro Leu Glu Ser Ser Gln Ser Gln
 100 105 110

 Arg Arg Pro Pro Thr Thr Ser Lys Ala Ser Lys Val Leu Glu Ser Ala
 115 120 125

 Pro Arg Leu Asn Arg Ala Ser Ile Ser Ser
 130 135

<210> 1618
 <211> 388
 <212> PRT
 <213> Homo sapiens

<400> 1618
 Ala Glu Ser Thr Ala Arg Val Cys Cys Pro Ser Pro Arg Tyr Ala Gln
 1 5 10 15

Ser Arg Arg Ser Pro Ala Trp Gly Glu Gln Ser Asp His Arg Pro Gly
 20 25 30
 Ala Ala Arg Arg Asp Ala Arg Cys Ala Leu Cys Pro Arg Ala Pro Thr
 35 40 45
 Ala Pro Ala Ala Ala Ala Glu Ala Gln Arg Glu Asn Ala Pro Pro Arg
 50 55 60
 Gly Pro Gly Ala Ala Ser Asp Pro Leu Ala Thr Cys Ala Gln Pro Glu
 65 70 75 80
 Val Ser Ser Glu Arg Arg Ala Gly Gly Gln Arg Gly Val Arg Gly Pro
 85 90 95
 Pro Pro Ala Ala Arg Ala Arg Pro Leu Met Ala Ala Ile Arg Lys Lys
 100 105 110
 Leu Val Val Val Gly Asp Gly Ala Cys Gly Lys Thr Cys Leu Leu Ile
 115 120 125
 Val Phe Ser Lys Asp Glu Phe Pro Glu Val Tyr Val Pro Thr Val Phe
 130 135 140
 Glu Asn Tyr Val Ala Asp Ile Glu Val Asp Gly Lys Gln Val Glu Leu
 145 150 155 160
 Ala Leu Trp Asp Thr Ala Gly Gln Glu Asp Tyr Asp Arg Leu Arg Pro
 165 170 175
 Leu Ser Tyr Pro Asp Thr Asp Val Ile Leu Met Cys Phe Ser Val Asp
 180 185 190
 Ser Pro Asp Ser Leu Glu Asn Ile Pro Glu Lys Trp Val Pro Glu Val
 195 200 205
 Lys His Phe Cys Pro Asn Val Pro Ile Ile Leu Val Ala Asn Lys Lys
 210 215 220
 Asp Leu Arg Ser Asp Glu His Val Arg Thr Glu Leu Ala Arg Met Lys
 225 230 235 240
 Gln Glu Pro Val Arg Thr Asp Asp Gly Arg Ala Met Ala Val Arg Ile
 245 250 255
 Gln Ala Tyr Asp Tyr Leu Glu Cys Ser Ala Lys Thr Lys Glu Gly Val
 260 265 270
 Arg Glu Val Phe Glu Thr Ala Thr Arg Ala Ala Ala Glu Ala Leu Arg
 275 280 285

Leu Pro Glu Arg Leu His Gln Leu Leu Gln Gly Ala Met Arg Ala Ala
 290 295 300
 Pro Val Ala Pro Ala Pro Ala Gly Thr Ala Pro Pro Pro Gly Pro Val
 305 310 315 320
 Pro Arg Glu Pro Gly Glu Gly Glu Thr Arg Val Pro Gln Gly Pro His
 325 330 335
 Arg Pro Ala Trp His Leu Ser Ala Asp Ala Ser Gly Leu Arg Gln Asp
 340 345 350
 Leu Ala Trp Ala Pro Gly Ala Pro Ile Pro Val Ser Val Cys Val Gln
 355 360 365
 Leu Cys Cys Thr Gly Leu Gly Ser Pro Leu Ser Ala Lys Gly Pro Leu
 370 375 380
 Ser Met Leu Phe
 385

<210> 1619
 <211> 184
 <212> PRT
 <213> Homo sapiens

<400> 1619
 Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Gly Thr Arg
 1 5 10 15
 Gly Arg Thr Arg Gly Arg Glu Gly Arg Ser Leu Trp Arg Lys Met Ala
 20 25 30
 Ala Ala Trp Gly Ser Ser Leu Thr Ala Ala Thr Gln Arg Ala Val Thr
 35 40 45
 Pro Trp Pro Arg Gly Arg Leu Leu Thr Ala Ser Leu Gly Pro Gln Ala
 50 55 60
 Arg Arg Glu Ala Ser Ser Ser Ser Pro Glu Ala Gly Glu Gly Gln Ile
 65 70 75 80
 Arg Leu Thr Asp Ser Cys Val Gln Arg Leu Leu Glu Ile Thr Glu Gly
 85 90 95
 Ser Glu Phe Leu Arg Leu Gln Val Glu Gly Gly Gly Cys Ser Gly Phe
 100 105 110
 Gln Tyr Lys Phe Ser Leu Asp Thr Val Ile Asn Pro Asp Asp Arg Val

115 120 125
 Phe Glu Gln Gly Gly Ala Arg Val Val Val Asp Ser Asp Ser Leu Ala
 130 135 140
 Phe Val Lys Gly Ala Gln Val Asp Phe Ser Gln Glu Leu Ile Arg Ser
 145 150 155 160
 Ser Phe Gln Val Leu Asn Asn Pro Gln Ala Gln Gln Gly Cys Ser Cys
 165 170 175
 Gly Ser Ser Phe Ser Ile Lys Leu
 180

<210> 1620

<211> 468

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1620

Xaa Ala Pro Xaa Gly Pro Pro Ala Pro Pro Ala Leu Pro Pro Ala Ala
 1 5 10 15

Ser Pro Gly Ala Pro Ala Arg Arg Pro Gly Gly Arg Ser Glu Glu Lys
 20 25 30

Ile Ser Asp Ser Glu Gly Phe Lys Ala Asn Leu Ser Leu Leu Arg Arg
 35 40 45

Pro Gly Glu Lys Thr Tyr Thr Gln Arg Cys Arg Leu Phe Val Gly Asn
 50 55 60

Leu Pro Ala Asp Ile Thr Glu Asp Glu Phe Lys Arg Leu Phe Ala Lys
 65 70 75 80

Tyr Gly Glu Pro Gly Glu Val Phe Ile Asn Lys Gly Lys Gly Phe Gly
 85 90 95

Phe Ile Lys Leu Glu Ser Arg Ala Leu Ala Glu Ile Ala Lys Ala Glu

100	105	110
Leu Asp Asp Thr Pro Met Arg Gly Arg Gln Leu Arg Val Arg Phe Ala		
115	120	125
Thr His Ala Ala Ala Leu Ser Val Arg Asn Leu Ser Pro Tyr Val Ser		
130	135	140
Asn Glu Leu Leu Glu Glu Ala Phe Ser Gln Phe Gly Pro Ile Glu Arg		
145	150	155
Ala Val Val Ile Val Asp Asp Arg Gly Arg Ser Thr Gly Lys Gly Ile		
165	170	175
Val Glu Phe Ala Ser Lys Pro Ala Ala Arg Lys Ala Phe Glu Arg Cys		
180	185	190
Ser Glu Gly Val Phe Leu Leu Thr Thr Thr Pro Arg Pro Val Ile Val		
195	200	205
Glu Pro Leu Glu Gln Leu Asp Asp Glu Asp Gly Leu Pro Glu Lys Leu		
210	215	220
Ala Gln Lys Asn Pro Met Tyr Gln Lys Glu Arg Glu Thr Pro Pro Arg		
225	230	235
Phe Ala Gln His Gly Thr Phe Glu Tyr Glu Tyr Ser Gln Arg Trp Lys		
245	250	255
Ser Leu Asp Glu Met Glu Lys Gln Gln Arg Glu Gln Val Glu Lys Asn		
260	265	270
Met Lys Asp Ala Lys Asp Lys Leu Glu Ser Glu Met Glu Asp Ala Tyr		
275	280	285
His Glu His Gln Ala Asn Leu Leu Arg Gln Asp Leu Met Arg Arg Gln		
290	295	300
Glu Glu Leu Arg Arg Met Glu Glu Leu His Asn Gln Glu Met Gln Lys		
305	310	315
Arg Lys Glu Met Gln Leu Arg Gln Glu Glu Glu Arg Arg Arg Glu		
325	330	335
Glu Glu Met Met Ile Arg Gln Arg Glu Met Glu Glu Gln Met Arg Arg		
340	345	350
Gln Arg Glu Glu Ser Tyr Ser Arg Met Gly Tyr Met Asp Pro Arg Glu		
355	360	365
Arg Asp Met Arg Met Gly Gly Gly Gly Ala Met Asn Met Gly Asp Pro		

370 375 380
 Tyr Gly Ser Gly Gly Gln Lys Phe Pro Pro Leu Gly Gly Gly Gly Gly
 385 390 395 400
 Ile Gly Tyr Glu Ala Asn Pro Gly Val Pro Pro Ala Thr Met Ser Gly
 405 410 415
 Ser Met Met Gly Ser Asp Met Arg Thr Glu Arg Phe Gly Gln Gly Gly
 420 425 430
 Ala Gly Pro Val Gly Gly Gln Gly Pro Arg Gly Met Gly Pro Gly Thr
 435 440 445
 Pro Ala Gly Tyr Gly Arg Gly Arg Glu Glu Tyr Glu Gly Pro Asn Lys
 450 455 460
 Lys Pro Arg Phe
 465

<210> 1621
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 1621
 Ala Pro Ala Pro Thr Ser Cys Ser Leu Lys Pro Cys Ile Gly His Pro
 1 5 10 15
 Val Pro Ser Ser Gly Tyr Ser Cys His Val Gly Pro Thr Leu Ser Cys
 20 25 30
 Gly Thr Lys Arg Gly Thr Gln His Gly Asn Leu Thr Pro Glu Arg Ser
 35 40 45
 Asp Val Trp Phe Ala Leu Gln Leu Asn Arg Lys Leu Arg Leu Gly Val
 50 55 60
 Gly Asn Arg Ala Ile Arg Thr Glu Lys Ile Ile Cys Arg Asp Val Ala
 65 70 75 80
 Arg Gly Tyr Glu Asn Val Pro Ile Pro Cys Val Lys Val Trp Met Gly
 85 90 95
 Ser Pro Ala Leu Arg Ile Thr Ser Thr Ser Gln Arg Thr Ala Arg Arg
 100 105 110
 Pro Pro

<210> 1622

<211> 399

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (397)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1622

Glu	Val	Cys	His	Gly	Gly	His	Arg	Gly	Xaa	Leu	Gln	Ser	Trp	Xaa	Pro
1				5					10					15	

Pro	Arg	Glu	Ala	Glu	Ser	Leu	Gln	Pro	Met	Thr	Val	Val	Gly	Thr	Asp
			20					25					30		

Tyr	Val	Phe	His	Asn	Asp	Thr	Lys	Val	Val	Phe	Leu	Ser	Pro	Ala	Val
		35					40					45			

Pro	Glu	Glu	Pro	Glu	Ala	Tyr	Asn	Leu	Thr	Val	Leu	Ile	Glu	Met	Asp
	50					55					60				

Gly	His	Arg	Ala	Leu	Leu	Arg	Thr	Glu	Ala	Gly	Ala	Phe	Glu	Tyr	Val
65					70					75					80

Pro	Asp	Pro	Thr	Phe	Glu	Asn	Phe	Thr	Gly	Gly	Val	Lys	Lys	Gln	Val
				85					90					95	

Asn	Lys	Leu	Ile	His	Ala	Arg	Gly	Thr	Asn	Leu	Asn	Lys	Ala	Met	Thr
		100						105					110		

Leu	Gln	Glu	Ala	Glu	Ala	Phe	Val	Gly	Ala	Glu	Arg	Cys	Thr	Met	Lys
		115					120					125			

Thr	Leu	Thr	Glu	Thr	Asp	Leu	Tyr	Cys	Glu	Pro	Pro	Glu	Val	Gln	Pro
	130					135						140			

Pro Pro Lys Arg Arg Gln Lys Arg Asp Thr Thr His Asn Leu Pro Glu
145 150 155 160

Phe Ile Val Lys Phe Gly Ser Arg Glu Trp Val Leu Gly Arg Val Glu
165 170 175

Tyr Asp Thr Arg Val Ser Asp Val Pro Leu Ser Leu Ile Leu Pro Leu
180 185 190

Val Ile Val Pro Met Val Val Val Ile Ala Val Ser Val Tyr Cys Tyr
195 200 205

Trp Arg Lys Ser Gln Gln Ala Glu Arg Glu Tyr Glu Lys Ile Lys Ser
210 215 220

Gln Leu Glu Gly Leu Glu Glu Ser Val Arg Asp Arg Cys Lys Lys Glu
225 230 235 240

Phe Thr Asp Leu Met Ile Glu Met Glu Asp Gln Thr Asn Asp Val His
245 250 255

Glu Ala Gly Ile Pro Val Leu Asp Tyr Lys Thr Tyr Thr Asp Arg Val
260 265 270

Phe Phe Leu Pro Ser Lys Asp Gly Asp Lys Asp Val Met Ile Thr Gly
275 280 285

Lys Leu Asp Ile Pro Glu Pro Arg Arg Pro Val Val Glu Gln Ala Leu
290 295 300

Tyr Gln Phe Ser Asn Leu Leu Asn Ser Lys Ser Phe Leu Ile Asn Phe
305 310 315 320

Ile His Thr Leu Glu Asn Gln Arg Glu Phe Ser Ala Arg Ala Lys Val
325 330 335

Tyr Phe Ala Ser Leu Leu Thr Val Ala Leu His Gly Lys Leu Glu Tyr
340 345 350

Tyr Thr Asp Ile Met His Thr Leu Phe Leu Glu Leu Leu Glu Gln Tyr
355 360 365

Val Val Ala Lys Asn Pro Lys Leu Met Leu Arg Arg Ser Glu Thr Val
370 375 380

Val Glu Arg Met Leu Ser Asn Trp Met Ser Ile Leu Xaa Pro Ile
385 390 395

<210> 1623

<211> 189

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1623

Ile Tyr Asp Phe Arg Thr Gly Met Arg Leu Lys Lys Glu Glu Lys Ser
1 5 10 15

Arg Gln Glu Leu Glu Lys Leu Lys Arg Lys Leu Glu Gly Asp Ala Ser
20 25 30

Asp Phe His Glu Gln Ile Ala Asp Leu Gln Ala Gln Ile Ala Glu Leu
35 40 45

Lys Met Gln Leu Ala Lys Lys Glu Glu Glu Leu Gln Xaa Ala Leu Ala
50 55 60

Arg Leu Asp Asp Glu Ile Leu Gln Lys Asn Asn Ala Leu Lys Lys Ile
65 70 75 80

Arg Glu Leu Glu Gly His Ile Ser Asp Leu Gln Glu Asp Leu Asp Ser
85 90 95

Glu Arg Ala Ala Arg Asn Lys Ala Glu Lys Gln Lys Arg Asp Leu Gly
100 105 110

Glu Glu Leu Glu Ala Leu Lys Thr Glu Leu Glu Asp Thr Leu Asp Ser
115 120 125

Thr Ala Thr Gln Gln Glu Leu Arg Ala Lys Arg Glu Gln Glu Val Thr
130 135 140

Val Leu Lys Lys Ala Leu Asp Glu Glu Xaa Arg Ser His Glu Ala Gln
145 150 155 160

Val Gln Glu Met Arg Gln Lys His Ala Gln Ala Val Glu Glu Leu Lys
165 170 175

Gln Arg Ala Gly His Arg Ala His Thr Gly Pro Glu Glu
180 185

<210> 1624

<211> 276

<212> PRT

<213> Homo sapiens

<400> 1624

Leu Ile Ser Pro Val Trp Gly Asn Ile Gln Arg Ser Arg Ser Val Pro
1 5 10 15

Leu Phe Pro Ser Gly Leu Val Leu Gly Gly Ile Trp Ala Arg Gly Pro
20 25 30

Leu Leu Ala Leu Leu Ala Ser Phe Asn Ile Ile Ser Val Leu Asn Ala
35 40 45

Glu Cys Tyr Leu Lys Gln Ile Leu His Pro Thr Ser His Phe Thr Val
50 55 60

Ser Glu Thr Pro Pro Leu Ser Gly Asn Asp Thr Asp Ser Leu Ser Cys
65 70 75 80

Asp Ser Gly Ser Ser Ala Thr Ser Thr Pro Cys Val Ser Arg Leu Val
85 90 95

Thr Gly His His Leu Trp Ala Ser Lys Asn Gly Arg His Val Leu Gly
100 105 110

Leu Ile Glu Asp Tyr Glu Ala Leu Leu Lys Gln Ile Ser Gln Gly Gln
115 120 125

Arg Leu Leu Ala Glu Met Asp Ile Gln Thr Gln Glu Ala Pro Ser Ser
130 135 140

Thr Ser Gln Glu Leu Gly Thr Lys Gly Pro His Pro Ala Pro Leu Ser
145 150 155 160

Lys Phe Val Ser Ser Val Ser Thr Ala Lys Leu Thr Leu Glu Glu Ala
165 170 175

Tyr Arg Arg Leu Lys Leu Leu Trp Arg Val Ser Leu Pro Glu Asp Gly
180 185 190

Gln Cys Pro Leu His Cys Glu Gln Ile Gly Glu Met Lys Ala Glu Val
195 200 205

Thr Lys Leu His Lys Lys Leu Phe Glu Gln Glu Lys Lys Leu Gln Asn
210 215 220

Thr Met Lys Leu Leu Gln Leu Ser Lys Arg Gln Glu Lys Val Ile Phe

225 230 235 240
 Asp Gln Leu Val Val Thr His Lys Ile Leu Arg Lys Ala Arg Gly Asn
 245 250 255
 Leu Glu Leu Arg Pro Gly Gly Ala His Pro Gly Thr Cys Ser Pro Ser
 260 265 270
 Arg Pro Gly Ser
 275

<210> 1625
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 1625
 Gln Ser Ala Val Gly Asn Thr Ala Thr Thr Leu Pro Trp Gln Gly Pro
 1 5 10 15
 Glu Ser Ile Ser Gly Gly Ala Ala His Val Cys Met Cys Cys Val Ser
 20 25 30
 Glu His Thr Arg Val His Thr His Thr His Val His Thr His Ala Leu
 35 40 45
 Ser Pro Leu Arg Gly Leu Glu Val Trp Leu Ser Pro Trp Gly Lys Val
 50 55 60
 Ser Ser Phe Ile Ser Leu Leu Gln Val Gly Val Pro Gly Val Arg Cys
 65 70 75 80
 Arg Gly His Ile Ala Gly Cys Pro Leu Phe Val Ala Pro Ile Lys Gly
 85 90 95
 Pro His Leu Val Asp Thr Trp Leu Ser Val Trp Ser Leu Pro Gln Pro
 100 105 110
 Val Leu Val Thr Ile Thr Gly Leu Ala Phe Val Thr Met Met Thr Pro
 115 120 125
 Ala Cys Leu Ile Phe
 130

<210> 1626
 <211> 677
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (339)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (538)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (544)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1626

Ser Ser Gly Met Ala Leu Ala Val Ala Ala Xaa Ala Glu Ala Gln Ala
1 5 10 15

Ala Arg Pro Gln Trp Arg Leu Glu Pro Glu Arg Arg Arg Arg Arg His
20 25 30

Pro Gly Glu Phe Lys Met Ala Ala Gly Gly Thr Gly Gly Leu Arg Glu
35 40 45

Glu Gln Arg Tyr Gly Leu Ser Cys Gly Arg Leu Gly Gln Asp Asn Ile
50 55 60

Thr Val Leu His Val Lys Leu Thr Glu Thr Ala Ile Arg Ala Leu Glu
65 70 75 80

Thr Tyr Gln Ser His Lys Asn Leu Ile Pro Phe Arg Pro Ser Ile Gln
85 90 95

Phe Gln Gly Leu His Gly Leu Val Lys Ile Pro Lys Asn Asp Pro Leu
100 105 110

Asn Glu Val His Asn Phe Asn Phe Tyr Leu Ser Asn Val Gly Lys Asp
115 120 125

Asn Pro Gln Gly Ser Phe Asp Cys Ile Gln Gln Thr Phe Ser Ser Ser
130 135 140

Gly Ala Ser Gln Leu Asn Cys Leu Gly Phe Ile Gln Asp Lys Ile Thr

145	150	155	160
Val Cys Ala Thr Asn Asp Ser Tyr Gln Met Thr Arg Glu Arg Met Thr	165	170	175
Gln Ala Glu Glu Glu Ser Arg Asn Arg Ser Thr Lys Val Ile Lys Pro	180	185	190
Gly Gly Pro Tyr Val Gly Lys Arg Val Gln Ile Arg Lys Ala Pro Gln	195	200	205
Ala Val Ser Asp Thr Val Pro Glu Arg Lys Arg Ser Thr Pro Met Asn	210	215	220
Pro Ala Asn Thr Ile Arg Lys Thr His Ser Ser Ser Thr Ile Ser Gln	225	230	235
Arg Pro Tyr Arg Asp Arg Val Ile His Leu Leu Ala Leu Lys Ala Tyr	245	250	255
Lys Lys Pro Glu Leu Leu Ala Arg Leu Gln Lys Asp Gly Val Asn Gln	260	265	270
Lys Asp Lys Asn Ser Leu Gly Ala Ile Leu Gln Gln Val Ala Asn Leu	275	280	285
Asn Ser Lys Asp Leu Ser Tyr Thr Leu Lys Asp Tyr Val Phe Lys Glu	290	295	300
Leu Gln Arg Asp Trp Pro Gly Tyr Ser Glu Ile Asp Arg Arg Ser Leu	305	310	315
Glu Ser Val Leu Ser Arg Lys Leu Asn Pro Ser Gln Asn Ala Thr Gly	325	330	335
Thr Ser Xaa Ser Glu Ser Pro Val Cys Ser Ser Arg Asp Ala Val Ser	340	345	350
Ser Pro Gln Lys Arg Leu Leu Asp Ser Glu Phe Ile Asp Pro Leu Met	355	360	365
Asn Lys Lys Ala Arg Ile Ser His Leu Thr Asn Arg Val Pro Pro Thr	370	375	380
Leu Asn Gly His Leu Asn Pro Thr Ser Glu Lys Ser Ala Ala Gly Leu	385	390	395
Pro Leu Pro Pro Ala Ala Ala Ala Ile Pro Thr Pro Pro Pro Leu Pro	405	410	415
Ser Thr Tyr Leu Pro Ile Ser His Pro Pro Gln Ile Val Asn Ser Asn			

420	425	430
Ser Asn Ser Pro Ser Thr Pro Glu Gly Arg Gly Thr Gln Asp Leu Pro		
435	440	445
Val Asp Ser Phe Ser Gln Asn Asp Ser Ile Tyr Glu Asp Gln Gln Asp		
450	455	460
Lys Tyr Thr Ser Arg Thr Ser Leu Glu Thr Leu Pro Pro Gly Ser Val		
465	470	475
Leu Leu Lys Cys Pro Lys Pro Met Glu Glu Asn His Ser Met Ser His		
485	490	495
Lys Lys Ser Lys Lys Lys Ser Lys Lys His Lys Glu Lys Asp Gln Ile		
500	505	510
Lys Lys His Asp Ile Glu Thr Ile Glu Glu Lys Glu Glu Asp Leu Lys		
515	520	525
Arg Glu Glu Glu Ile Ala Lys Leu Asn Xaa Ser Ser Pro Asn Ser Xaa		
530	535	540
Gly Gly Val Lys Glu Asp Cys Thr Ala Ser Met Glu Pro Ser Ala Ile		
545	550	555
Glu Leu Pro Asp Tyr Leu Ile Lys Tyr Ile Ala Ile Val Ser Tyr Glu		
565	570	575
Gln Arg Gln Asn Tyr Lys Asp Asp Phe Asn Ala Glu Tyr Asp Glu Tyr		
580	585	590
Arg Ala Leu His Ala Arg Met Glu Thr Val Ala Arg Arg Phe Ile Lys		
595	600	605
Leu Asp Ala Gln Arg Lys Arg Leu Ser Pro Gly Ser Lys Glu Tyr Gln		
610	615	620
Asn Val His Glu Glu Val Leu Gln Glu Tyr Gln Lys Ile Lys Gln Ser		
625	630	635
Ser Pro Asn Tyr His Glu Glu Lys Tyr Arg Cys Glu Tyr Leu His Asn		
645	650	655
Lys Leu Ala His Ile Lys Arg Leu Ile Gly Glu Phe Asp Gln Gln Gln		
660	665	670
Ala Glu Ser Trp Ser		
675		

<210> 1627

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1627

Gly Pro Trp Gly Gly Phe Glu Leu Ser Arg Leu Cys Pro Tyr Arg Leu
1 5 10 15

Pro Arg His Thr Arg Ser Val Phe Pro Leu Ser Pro Pro Ser Arg Ala
20 25 30

Gly Pro Ser Gly Ile Glu Gly Ala Gly Ser Pro Arg Thr Arg Ala Gln
35 40 45

Lys Ser Pro Thr Gly Ser Cys Ile Phe Xaa Arg Thr Ile Pro Gly Ala
50 55 60

Leu Arg Gly Val Ser Gly Glu Thr Gly His Arg Gln Ser His Gly Pro
65 70 75 80

Pro Pro Lys Ala Gln Ala Pro Pro Ala Pro Pro His Pro Ser Ser Leu
85 90 95

Thr His Ala Ala Ser Pro Pro Pro Cys Arg Cys Xaa Gly Gln Ser Pro
100 105 110

Val Arg Pro Lys Thr Gly Leu Val Pro Gly Xaa Ala
115 120

<210> 1628

<211> 277

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> xaa equals any of the naturally occurring L-amino acids

<400> 1628

Thr	His	Val	Val	Arg	His	Ala	Tyr	Arg	Ser	Tyr	Phe	Thr	Phe	Ile	Gly
1				5					10					15	
Arg	Val	Ala	Gly	Leu	Ala	Val	Phe	His	Gly	Lys	Leu	Leu	Asp	Gly	Phe
			20					25					30		
Phe	Ile	Arg	Pro	Phe	Tyr	Lys	Met	Met	Leu	Gly	Lys	Gln	Ile	Thr	Leu
		35					40					45			
Asn	Asp	Met	Glu	Ser	Val	Asp	Ser	Glu	Tyr	Tyr	Asn	Ser	Leu	Lys	Trp
	50					55					60				
Ile	Leu	Glu	Asn	Asp	Pro	Thr	Glu	Leu	Asp	Leu	Met	Phe	Cys	Ile	Asp
65					70					75				80	
Glu	Glu	Asn	Phe	Gly	Gln	Thr	Tyr	Gln	Val	Asp	Leu	Lys	Pro	Asn	Gly
				85					90					95	
Ser	Glu	Ile	Met	Val	Thr	Asn	Glu	Asn	Lys	Arg	Glu	Tyr	Ile	Asp	Leu
			100					105					110		
Val	Ile	Gln	Trp	Arg	Phe	Val	Asn	Arg	Val	Gln	Lys	Gln	Met	Asn	Ala
		115					120					125			
Phe	Leu	Glu	Gly	Phe	Thr	Glu	Leu	Leu	Pro	Ile	Asp	Leu	Ile	Lys	Ile
	130					135					140				
Phe	Asp	Glu	Asn	Glu	Leu	Glu	Leu	Leu	Met	Cys	Gly	Leu	Gly	Asp	Val
145				150						155				160	
Asp	Val	Asn	Asp	Trp	Arg	Gln	His	Ser	Ile	Tyr	Lys	Asn	Gly	Tyr	Xaa
			165						170					175	
Pro	Asn	His	Pro	Val	Ile	Gln	Trp	Phe	Trp	Lys	Ala	Val	Leu	Leu	Met
		180						185					190		
Asp	Ala	Glu	Lys	Arg	Ile	Arg	Leu	Leu	Gln	Phe	Val	Thr	Gly	Thr	Ser
	195						200					205			
Arg	Val	Pro	Met	Asn	Gly	Phe	Ala	Glu	Leu	Tyr	Gly	Ser	Asn	Gly	Pro
	210					215					220				
Gln	Leu	Phe	Thr	Ile	Glu	Gln	Trp	Gly	Ser	Pro	Glu	Lys	Leu	Pro	Arg

225 230 235 240
 Ala His Thr Cys Phe Asn Arg Leu Asp Leu Pro Pro Tyr Glu Thr Phe
 245 250 255
 Glu Asp Leu Arg Glu Lys Leu Leu Met Ala Val Glu Asn Ala Gln Gly
 260 265 270
 Phe Glu Gly Val Asp
 275

<210> 1629

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1629

Gly Ala Val Gly Gly Arg Xaa Gly Gly Arg Tyr Ala Gly Arg His Val
 1 5 10 15
 Ser Arg Val Arg Ala Leu Tyr Lys Arg Val Leu Gln Leu His Arg Val
 20 25 30
 Leu Pro Pro Asp Leu Lys Ser Leu Gly Asp Gln Tyr Val Lys Asp Glu
 35 40 45
 Phe Arg Arg His Lys Thr Val Gly Ser Asp Glu Ala Gln Arg Phe Leu
 50 55 60
 Gln Glu Trp Glu Val Tyr Ala Thr Ala Leu Leu Gln Gln Ala Asn Glu
 65 70 75 80
 Asn Arg Gln Asn Ser Thr Gly Lys Ala Cys Phe Gly Thr Phe Leu Pro
 85 90 95
 Glu Glu Lys Leu Asn Asp Phe Arg Asp Glu Gln Ile Gly Gln Leu Gln
 100 105 110
 Glu Leu Met Gln Glu Ala Thr Lys Pro Asn Arg Gln Phe Ser Ile Ser
 115 120 125
 Glu Ser Met Lys Pro Lys Phe
 130 135

<210> 1630
<211> 233
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (195)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (222)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (223)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (227)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1630
Met Cys Pro Ser Cys Ser Pro Cys Gly Met Asp Trp Val Val Glu Thr
1 5 10 15
Met Pro Gln Gly Val Cys Gly Met Ser Pro Ser Val Trp Ser Val Xaa
20 25 30
Xaa Glu Thr Val Arg Gly Leu Leu Leu His His Pro Thr Leu Pro Asn
35 40 45

Pro Tyr Thr Met Ala Val Ala Ala Arg Val Thr Ala Ala Thr Thr Val
50 55 60

Thr His Ile Thr Ala Phe Asp Pro Asp Ser Thr Gly Gln Gln Val Trp
65 70 75 80

Gln Asp Leu Leu Gln Asp Gly Gln Leu Asp Ser Pro Thr Gly Gln Ser
85 90 95

Thr Pro Thr Gln Lys Gly Val Gly Ile Ala Gly Ala Val Cys Val Ser
100 105 110

Ser Lys Leu Arg Pro Arg Gly Gln Cys Arg Leu Glu Phe Ser Leu Ala
115 120 125

Trp Asp Met Pro Arg Ile Met Phe Gly Ala Lys Gly Gln Val His Tyr
130 135 140

Arg Arg Tyr Thr Arg Phe Phe Gly Gln Asp Gly Asp Ala Ala Pro Ala
145 150 155 160

Leu Ser His Tyr Ala Leu Cys Arg Tyr Ala Glu Trp Glu Glu Arg Ile
165 170 175

Ser Ala Trp Gln Ser Pro Val Leu Asp Asp Arg Ser Leu Pro Ala Trp
180 185 190

Tyr Lys Xaa Ala Leu Phe Asn Glu Leu Tyr Phe Leu Ala Asp Gly Gly
195 200 205

Thr Val Trp Leu Glu Val Leu Glu Asp Ile Gln Asp Lys Xaa Xaa Phe
210 215 220

Tyr Pro Xaa Arg Gly Gln Xaa Ala Tyr
225 230

<210> 1631

<211> 153

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1631

Trp Gly Pro Arg Leu Pro Pro Pro Xaa Lys Lys Ala Leu Leu Ala Leu
 1 5 10 15

Lys Lys Gln Ser Ser Ser Ser Thr Thr Ser Gln Gly Gly Val Lys Arg
 20 25 30

Ser Leu Ser Glu Gln Pro Val Met Asp Thr Ala Thr Ala Thr Glu Gln
 35 40 45

Ala Lys Gln Leu Val Lys Ser Gly Ala Ile Ser Ala Ile Lys Ala Glu
 50 55 60

Thr Lys Asn Ser Gly Phe Lys Arg Ser Arg Thr Leu Glu Gly Lys Leu
 65 70 75 80

Lys Asp Pro Glu Lys Gly Pro Val Pro Thr Phe Gln Pro Phe Gln Arg
 85 90 95

Ser Ile Ser Ala Asp Asp Asp Leu Gln Glu Ser Ser Arg Arg Pro Gln
 100 105 110

Arg Lys Ser Leu Tyr Xaa Ser Ser Leu Ala Val Gln Asn Ser Pro Lys
 115 120 125

Gly Cys His Arg Asp Lys Arg Thr Gln Ile Val Tyr Ser Asp Asp Val
 130 135 140

Tyr Lys Glu Asn Leu Val Asp Gly Phe
 145 150

<210> 1632

<211> 224

<212> PRT

<213> Homo sapiens

<400> 1632

Pro Thr Arg Cys Gly Ala Ser Gly Ser Arg Pro Pro Ser Gly Ser Asp
 1 5 10 15

Pro Ala Asn Gly Phe Gly Tyr Ile Phe Met Leu Gly Phe Ile Thr Arg
 20 25 30

Pro Pro His Arg Phe Leu Ser Leu Leu Cys Pro Gly Leu Arg Ile Pro
 35 40 45

Gln Leu Ser Val Leu Cys Ala Gln Pro Arg Pro Arg Ala Met Ala Ile
 50 55 60
 Ser Ser Ser Ser Cys Glu Leu Pro Leu Val Ala Val Cys Gln Val Thr
 65 70 75 80
 Ser Thr Pro Asp Lys Gln Gln Asn Phe Lys Thr Cys Ala Glu Leu Val
 85 90 95
 Arg Glu Ala Ala Arg Leu Gly Ala Cys Leu Ala Phe Leu Pro Glu Ala
 100 105 110
 Phe Asp Phe Ile Ala Arg Asp Pro Ala Glu Thr Leu His Leu Ser Glu
 115 120 125
 Pro Leu Gly Gly Lys Leu Leu Glu Glu Tyr Thr Gln Leu Ala Arg Glu
 130 135 140
 Cys Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp
 145 150 155 160
 Trp Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Ser
 165 170 175
 Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr His Leu Cys Asp Val
 180 185 190
 Glu Ile Pro Gly Gln Gly Leu Cys Val Lys Ala Thr Leu Pro Cys Leu
 195 200 205
 Gly Pro Val Leu Ser His Leu Ser Ala His Gln Gln Ala Arg Leu Val
 210 215 220

<210> 1633

<211> 668

<212> PRT

<213> Homo sapiens

<400> 1633

Thr Ile Asn Gly Val Ile Leu Ile Ser Val Phe Phe Ser Phe Phe Phe
 1 5 10 15
 Leu His Pro Met Leu Ser Val Val Val Cys Val Val Gly Leu Ser Pro
 20 25 30
 Gly Gln Tyr Phe Tyr Phe Gln Glu Val Phe Pro Val Leu Ala Ala Lys

35	40	45
His Cys Ile Met Gln Ala Asn Ala Glu Tyr His Gln Ser Ile Leu Ala		
50	55	60
Lys Gln Gln Lys Lys Phe Gly Glu Glu Ile Ala Arg Leu Gln His Ala		
65	70	75 80
Ala Glu Leu Ile Lys Thr Val Ala Ser Arg Tyr Asp Glu Tyr Val Asn		
	85	90 95
Val Lys Asp Phe Ser Asp Lys Ile Asn Arg Ala Leu Ala Ala Lys		
	100	105 110
Lys Asp Asn Asp Phe Ile Tyr His Asp Arg Val Pro Asp Leu Lys Asp		
	115	120 125
Leu Asp Pro Ile Gly Lys Ala Thr Leu Val Lys Ser Thr Pro Val Asn		
	130	135 140
Val Pro Ile Ser Gln Lys Phe Thr Asp Leu Phe Glu Lys Met Val Pro		
145	150	155 160
Val Ser Val Gln Gln Ser Leu Ala Ala Tyr Asn Gln Arg Lys Ala Asp		
	165	170 175
Leu Val Asn Arg Ser Ile Ala Gln Met Arg Glu Ala Thr Thr Leu Ala		
	180	185 190
Asn Gly Val Leu Ala Ser Leu Asn Leu Pro Ala Ala Ile Glu Asp Val		
	195	200 205
Ser Gly Asp Thr Val Pro Gln Ser Ile Leu Thr Lys Ser Arg Ser Val		
	210	215 220
Ile Glu Gln Gly Gly Ile Gln Thr Val Asp Gln Leu Ile Lys Glu Leu		
225	230	235 240
Pro Glu Leu Leu Gln Arg Asn Arg Glu Ile Leu Asp Glu Ser Leu Arg		
	245	250 255
Leu Leu Asp Glu Glu Glu Ala Thr Asp Asn Asp Leu Arg Ala Lys Phe		
	260	265 270
Lys Glu Arg Trp Gln Arg Thr Pro Ser Asn Glu Leu Tyr Lys Pro Leu		
	275	280 285
Arg Ala Glu Gly Thr Asn Phe Arg Thr Val Leu Asp Lys Ala Val Gln		
	290	295 300
Ala Asp Gly Gln Val Lys Glu Cys Tyr Gln Ser His Arg Asp Thr Ile		

305 310 315 320
 Val Leu Leu Cys Lys Pro Glu Pro Glu Leu Asn Ala Ala Ile Pro Ser
 325 330 335
 Ala Asn Pro Ala Lys Thr Met Gln Gly Ser Glu Val Val Asn Val Leu
 340 345 350
 Lys Ser Leu Leu Ser Asn Leu Asp Glu Val Lys Lys Glu Arg Glu Gly
 355 360 365
 Leu Glu Asn Asp Leu Lys Ser Val Asn Phe Asp Met Thr Ser Lys Phe
 370 375 380
 Leu Thr Ala Leu Ala Gln Asp Gly Val Ile Asn Glu Glu Ala Leu Ser
 385 390 395 400
 Val Thr Glu Leu Asp Arg Val Tyr Gly Gly Leu Thr Thr Lys Val Gln
 405 410 415
 Glu Ser Leu Lys Lys Gln Glu Gly Leu Leu Lys Asn Ile Gln Val Ser
 420 425 430
 His Gln Glu Phe Ser Lys Met Lys Gln Ser Asn Asn Glu Ala Asn Leu
 435 440 445
 Arg Glu Glu Val Leu Lys Asn Leu Ala Thr Ala Tyr Asp Asn Phe Val
 450 455 460
 Glu Leu Val Ala Asn Leu Lys Glu Gly Thr Lys Phe Tyr Asn Glu Leu
 465 470 475 480
 Thr Glu Ile Leu Val Arg Phe Gln Asn Lys Cys Ser Asp Ile Val Phe
 485 490 495
 Ala Arg Lys Thr Glu Arg Asp Glu Leu Leu Lys Asp Leu Gln Gln Ser
 500 505 510
 Ile Ala Arg Glu Pro Ser Ala Pro Ser Ile Pro Thr Pro Ala Tyr Gln
 515 520 525
 Ser Ser Pro Ala Gly Gly His Ala Pro Thr Pro Pro Thr Pro Ala Pro
 530 535 540
 Arg Thr Met Pro Pro Thr Lys Pro Gln Pro Pro Ala Arg Pro Pro Pro
 545 550 555 560
 Pro Val Leu Pro Ala Asn Arg Ala Pro Ser Ala Thr Ala Pro Ser Pro
 565 570 575
 Val Gly Ala Gly Thr Ala Ala Pro Ala Pro Ser Gln Thr Pro Gly Ser

580	585	590
Ala Pro Pro Pro Gln Ala Gln Gly Pro Pro Tyr Pro Thr Tyr Pro Gly		
595	600	605
Tyr Pro Gly Tyr Cys Gln Met Pro Met Pro Met Gly Tyr Asn Pro Tyr		
610	615	620
Ala Tyr Gly Gln Tyr Asn Met Pro Tyr Pro Pro Val Tyr His Gln Ser		
625	630	635
Pro Gly Gln Ala Pro Tyr Pro Gly Pro Gln Gln Pro Ser Tyr Pro Phe		
645	650	655
Pro Gln Pro Pro Gln Gln Ser Tyr Tyr Pro Gln Gln		
660	665	

<210> 1634

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1634

Gly	Glu	Ala	Ala	Lys	Met	Ser	Ser	Glu	Pro	Pro	Pro	Pro	Tyr	Pro	Gly
1				5					10					15	

Gly	Pro	Thr	Ala	Pro	Leu	Leu	Glu	Glu	Lys	Ser	Gly	Ala	Pro	Pro	Thr
							20		25				30		

Pro Gly Arg Ser Ser Pro Ala Val Met Gln Pro Pro Pro Gly Met Pro
35 40 45

Leu Pro Pro Ala Asp Ile Gly Pro Pro Pro Tyr Glu Pro Pro Gly Xaa
50 55 60

Pro Met Pro Gln Pro Gly Phe Ile Pro Pro Xaa Met Ser Xaa Asp Gly
65 70 75 80

Xaa Tyr Met Pro Pro Gly Phe Leu Pro Phe Phe Arg Gly Pro His Pro
85 90 95

Pro Leu Gly

<210> 1635
<211> 74
<212> PRT
<213> Homo sapiens

<400> 1635
Gly Glu Ala Ala Phe Cys Pro Ser Pro His Ser His Leu Ile Tyr Leu
1 5 10 15

Ile Gln Ser Gln Leu Leu Lys Phe Gly Lys Asp Gln Ile Ala Leu Gln
20 25 30

Phe Phe Ser Leu Cys Ser Ile Leu Lys Ser Trp Lys Ile Leu Trp Asn
35 40 45

Ser Ser Val Tyr Arg Ala Gln Val Lys Ala Leu Ser Lys Val Tyr Leu
50 55 60

Phe Ile Tyr Tyr Pro Lys Asn Ala Leu Pro
65 70

<210> 1636
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1636

Arg His Arg Ser Val Ser Thr Pro Arg Ala Gly Gly Ile Val Trp Phe
 1 5 10 15
 His Glu Gly Leu Lys Ser Val Ile Pro Lys Val Gly Leu Gln Ala Ala
 20 25 30
 Ala Pro Ser Ile Cys Val Phe Leu Ser Gly Thr Val Gly Leu Tyr Xaa
 35 40 45
 Arg Leu Thr Cys Phe Gly Ser Arg Gly Ile Ile Leu Gly Phe Gly Lys
 50 55 60
 Thr His Phe
 65

<210> 1637

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1637

Thr Phe Ile Tyr Val Gly Leu Tyr Leu Thr Ile Cys Asn Phe Lys Val
 1 5 10 15
 Met Leu Gly Gln Xaa Asn Val Ser Ala Ser Arg Ile Ala Ile Lys Tyr
 20 25 30
 His Thr Lys Phe Gly Gly Arg Thr Asp Leu Cys Tyr Lys Glu Met Glu
 35 40 45
 Lys Ser Ser Leu Cys His Gly Asp Glu Lys Pro Ala Ser His Ser Asn
 50 55 60

<210> 1638

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1638

Gln Arg Gly Asp Ser Ala Asp Thr Ala Ser Leu Arg Phe Asn Thr Pro
1 5 10 15

Ser Phe Asp Leu Ser Cys Pro His Tyr Pro Arg Lys Ile Gln Ser Ser
20 25 30

Phe Gln Ser Ile Leu Ile Asn Pro Leu Asp Pro Lys Phe Arg Glu Val
35 40 45

Pro Leu Pro Ser Ser Leu Leu Pro Gly Pro Thr Glu Glu His Pro Thr
50 55 60

Thr Leu His Gln Leu Leu Lys Thr His Lys Gly Lys Ile Pro Thr Gly
65 70 75 80

Pro Cys Gln Glu Val Val Glu Leu Pro Xaa Arg Phe His
85 90

<210> 1639

<211> 222

<212> PRT

<213> Homo sapiens

<400> 1639

His Glu Leu Asn Cys Lys Asp Ala Val Ser Arg Lys Arg Ser His Ser
1 5 10 15

Ala Ser Glu Lys Ser Gly Thr Gly Thr Ser Ile Ser Lys Arg Leu Asn
20 25 30

Met Asn Pro Gln Ile Arg Asn Pro Met Lys Ala Met Tyr Pro Gly Thr
35 40 45

Phe Tyr Phe Gln Phe Lys Asn Leu Trp Glu Ala Asn Asp Arg Asn Glu
50 55 60

Thr Trp Leu Cys Phe Thr Val Glu Gly Ile Lys Arg Arg Ser Val Val
65 70 75 80

Ser Trp Lys Thr Gly Val Phe Arg Asn Gln Val Asp Ser Glu Thr His
85 90 95

Cys His Ala Glu Arg Cys Phe Leu Ser Trp Phe Cys Asp Asp Ile Leu
100 105 110

Ser Pro Asn Thr Lys Tyr Gln Val Thr Trp Tyr Thr Ser Trp Ser Pro
115 120 125

Cys Pro Asp Cys Ala Gly Glu Val Ala Glu Phe Leu Ala Arg His Ser
130 135 140

Asn Val Asn Leu Thr Ile Phe Thr Ala Arg Leu Tyr Tyr Phe Gln Tyr
145 150 155 160

Pro Cys Tyr Gln Glu Gly Leu Arg Ser Leu Ser Gln Glu Gly Val Ala
165 170 175

Val Glu Ile Met Asp Tyr Glu Asp Phe Lys Tyr Cys Trp Glu Asn Phe
180 185 190

Val Tyr Asn Asp Asn Glu Pro Phe Lys Pro Trp Lys Gly Leu Lys Thr
195 200 205

Asn Phe Arg Leu Leu Lys Arg Arg Leu Arg Glu Ser Leu Gln
210 215 220

<210> 1640

<211> 436

<212> PRT

<213> Homo sapiens

<400> 1640

Gly Leu Lys Arg Val Ser Ala Thr Ala Ala His Arg Asn Ala Leu Gln
1 5 10 15

Asn Pro Lys Gln Gly Gly Thr Gln Leu Lys Thr Glu Lys Ile His Met
20 25 30

Phe Leu Leu Ala Pro Val Ala Thr Gly Ile Asn Ser His Asn Asp Arg
35 40 45

Gly Arg Gly Ile Gln Gly Thr Ile Asn Glu Gln Cys Ala Ser Ser Leu
50 55 60

Lys Ile Arg Ala Ser His Gly Thr Lys Met Met Thr Pro Glu Val Leu
65 70 75 80

Ala Glu Ala Tyr Gly Lys Lys Glu Trp Lys His Phe Leu Ser Asp Thr
85 90 95

Gly Met Ala Cys Arg Ser Gly Lys Tyr Tyr Phe Tyr Asp Asn Tyr Phe
100 105 110

Asp Leu Pro Gly Ala Leu Leu Cys Ala Arg Val Val Asp Tyr Leu Thr
 115 120 125

Lys Leu Asn Asn Gly Gln Lys Thr Phe Asp Phe Trp Lys Asp Ile Val
 130 135 140

Ala Ala Ile Gln His Asn Tyr Lys Met Ser Ala Phe Lys Glu Asn Cys
 145 150 155 160

Gly Ile Tyr Phe Pro Glu Ile Lys Arg Asp Pro Gly Arg Tyr Leu His
 165 170 175

Ser Cys Pro Glu Ser Val Lys Lys Trp Leu Arg Gln Leu Lys Asn Ala
 180 185 190

Gly Lys Ile Leu Leu Leu Ile Thr Ser Ser His Ser Asp Tyr Cys Arg
 195 200 205

Leu Leu Cys Glu Tyr Ile Leu Gly Asn Asp Phe Thr Asp Leu Phe Asp
 210 215 220

Ile Val Ile Thr Asn Ala Leu Lys Pro Gly Phe Phe Ser His Leu Pro
 225 230 235 240

Ser Gln Arg Pro Phe Arg Thr Leu Glu Asn Asp Glu Glu Gln Glu Ala
 245 250 255

Leu Pro Ser Leu Asp Lys Pro Gly Trp Tyr Ser Gln Gly Asn Ala Val
 260 265 270

His Leu Tyr Glu Leu Leu Lys Lys Met Thr Gly Lys Pro Glu Pro Lys
 275 280 285

Val Val Tyr Phe Gly Asp Ser Met His Ser Asp Ile Phe Pro Ala Arg
 290 295 300

His Tyr Ser Asn Trp Glu Thr Val Leu Ile Leu Glu Glu Leu Arg Gly
 305 310 315 320

Asp Glu Gly Thr Arg Ser Gln Arg Pro Glu Glu Ser Glu Pro Leu Glu
 325 330 335

Lys Lys Gly Lys Tyr Glu Gly Pro Lys Ala Lys Pro Leu Asn Thr Ser
 340 345 350

Ser Lys Lys Trp Gly Ser Phe Phe Ile Asp Ser Val Leu Gly Leu Glu
 355 360 365

Asn Thr Glu Asp Ser Leu Val Tyr Thr Trp Ser Cys Lys Arg Ile Ser
 370 375 380

Thr Tyr Ser Thr Ile Ala Ile Pro Ser Ile Glu Ala Ile Ala Glu Leu
385 390 395 400

Pro Leu Asp Tyr Lys Phe Thr Arg Phe Ser Ser Ser Asn Ser Lys Thr
405 410 415

Ala Gly Tyr Tyr Pro Asn Pro Pro Leu Val Leu Ser Ser Asp Glu Thr
420 425 430

Leu Ile Ser Lys
435

<210> 1641
<211> 81
<212> PRT
<213> Homo sapiens

<400> 1641
Pro His Ser Leu Leu Phe Phe Leu Leu Gln Thr Leu Arg Gln Cys Ser
1 5 10 15

Asn Thr Ser Phe Thr His Pro Pro Asn Asn Ser Val His Ser Val Phe
20 25 30

Phe Pro Leu Ser Gly Val Ser Ser Met Leu Val Arg Leu Gly Glu His
35 40 45

Leu Asp Leu Phe His Arg Lys Gly Cys Phe Gln Pro Val Ser Val Met
50 55 60

Leu Val Leu Leu Gln Gln Ser Lys Ser Lys Gly Phe Arg Ser Leu Phe
65 70 75 80

Asp

<210> 1642
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1642

Thr Glu Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu
 1 5 10 15

Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys
 20 25 30

Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro
 35 40 45

Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser
 50 55 60

Trp Xaa Asn Ser Glu Glu Ala Arg Xaa Gly Ser Pro Phe Pro His Asn
 65 70 75 80

Cys Ala Leu Glu Trp Ala
 85

<210> 1643

<211> 118

<212> PRT

<213> Homo sapiens

<400> 1643

His Cys Val Glu Gly Thr Ser Leu Ser Leu Pro Cys Leu Thr Val Ser
 1 5 10 15

Gly Ser Phe Ser Pro Cys Val Ser Trp Cys Ser Gln Pro His Gln Ser
 20 25 30

Pro Cys Arg Glu Leu Thr Ala Phe Thr Leu Lys Ala Arg Val Thr Trp
 35 40 45

Val Val Arg His His Leu Ser Pro Cys Pro His Leu Leu Val Trp Gly
 50 55 60

Phe Ser Gly Glu Leu Thr Ala Val Ser Thr Pro Leu Ser Pro His Pro
 65 70 75 80

Pro Arg Pro Ala Trp Gly Thr His Phe Leu Leu Gly Gly Ala Ser Met
 85 90 95

Val Arg Gly Pro Ala Ser Leu His Thr Ala Arg Thr Ala Leu His Arg
 100 105 110

Pro Thr Pro Tyr Asp Thr
115

<210> 1644

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1644

Arg	Leu	Ser	Glu	Ser	Leu	Ser	Val	Ser	Ser	Leu	Gln	Xaa	Arg	Ser	Xaa
1				5					10					15	

Xaa	Val	Lys	Pro	Leu	Thr	Ala	Val	Met	Ser	Glu	Val	Ile	Pro	Arg	Thr
			20					25					30		

Trp	Glu	Thr	Ala	Val	His	Gly	Trp	Ile	Leu	Leu	Thr	Ser	Ala	Glu	Phe
		35					40						45		

Cys Gln Val Thr
50

<210> 1645

<211> 346

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1645

Pro Pro Ala Ser Thr Leu Pro Trp Asp Leu Met Lys Ser Arg Lys Asn
 1 5 10 15

Phe Lys Lys Trp Pro Leu Thr Leu Leu Pro Glu Arg Trp Leu Gln Ile
 20 25 30

Trp Gln Xaa Gly Thr Arg Ser Met Cys Ala Trp Met Ile Asp Ser Phe
 35 40 45

Gly Asn Glu Glu Gln Arg His Lys Phe Cys Pro Pro Leu Cys Thr Met
 50 55 60

Glu Lys Phe Ala Ser Tyr Cys Leu Thr Glu Pro Gly Ser Gly Ser Asp
 65 70 75 80

Ala Ala Xaa Leu Leu Thr Ser Ala Lys Lys Gln Gly Asp His Tyr Ile
 85 90 95

Leu Asn Gly Ser Lys Ala Phe Ile Ser Gly Ala Gly Glu Ser Asp Ile
 100 105 110

Tyr Val Val Met Cys Arg Thr Gly Gly Pro Gly Pro Lys Gly Ile Ser
 115 120 125

Cys Ile Val Val Glu Lys Gly Thr Pro Gly Leu Ser Phe Gly Lys Lys
 130 135 140

Glu Lys Lys Val Gly Trp Asn Ser Gln Pro Thr Arg Ala Val Ile Phe
 145 150 155 160

Glu Asp Cys Ala Val Pro Val Ala Asn Arg Ile Gly Ser Glu Gly Gln
 165 170 175

Gly Phe Leu Ile Ala Val Arg Gly Leu Asn Gly Gly Arg Ile Asn Ile
 180 185 190

Ala Ser Cys Ser Leu Gly Ala Ala His Ala Ser Val Ile Leu Thr Arg
 195 200 205

Asp His Leu Asn Val Arg Lys Gln Phe Gly Glu Pro Leu Ala Ser Asn
 210 215 220

Gln Tyr Leu Gln Phe Thr Leu Ala Asp Met Ala Thr Arg Leu Val Ala
 225 230 235 240

Ala Arg Leu Met Val Arg Asn Ala Ala Val Ala Leu Gln Glu Glu Arg
 245 250 255

Lys Asp Ala Val Ala Leu Cys Ser Met Ala Lys Leu Phe Ala Thr Asp
 260 265 270

Glu Cys Phe Ala Ile Cys Asn Gln Ala Leu Gln Met His Gly Gly Tyr
 275 280 285

Gly Tyr Leu Lys Asp Tyr Ala Val Gln Gln Tyr Val Arg Asp Ser Arg
 290 295 300

Val His Gln Ile Leu Glu Glu Leu Phe Trp Gln Gly Pro Gly Val Gln
 305 310 315 320

Ser Arg Ser Phe Ala Leu Phe Gly Gly Pro Gln Ile Pro Leu Leu Leu
 325 330 335

Pro Phe Ser Ser Gly Asp Leu Arg Glu Gly
 340 345

<210> 1646

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1646

Cys Asn Leu Ala Lys Xaa Val Ile Ser Ile Ser Phe Leu Lys Glu Glu
 1 5 10 15

Glu Gln Glu Asp Glu Glu Glu Ile Asp Val Val Ser Val Glu Lys Arg
 20 25 30

Gln Ala Pro Gly Lys Arg Ser Glu Ser Gly Ser Pro Ser Ala Gly Gly
 35 40 45

His Ser Lys Pro Pro His Ser Pro Leu Val Leu Lys Arg Cys His Val
 50 55 60

Ser Thr His Gln His Asn Tyr Ala Ala Pro Pro Ser Thr Arg Lys Asp
 65 70 75 80

Tyr Pro Ala Ala Lys Arg Val Lys Leu Asp Ser Val Arg Val Leu Arg
 85 90 95

Gln Ile Ser Asn Asn Arg Lys Cys Thr Ser Pro Arg Ser Ser Asp Thr
100 105 110

Glu Glu Asn Val Lys Arg Arg Thr His Asn Val Leu Glu Arg Gln Arg
115 120 125

Arg Asn Glu Leu Lys Arg Ser Phe Phe Ala Leu Arg Asp Gln Ile Pro
130 135 140

Glu Leu Glu Asn Asn Glu Lys Ala Pro Lys Val Val Ile Leu Lys Lys
145 150 155 160

Ala Thr Ala Tyr Ile Leu Ser Val Gln Ala Glu Glu Gln Lys Leu Ile
165 170 175

Ser Glu Glu Asp Leu Leu Arg Lys Arg Arg Glu Gln Leu Lys His Lys
180 185 190

Leu Glu Gln Leu Arg Asn Ser Cys Ala
195 200

<210> 1647

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1647

Ser Ile Tyr Asp Ser Ser Lys Lys Asn His Leu Leu Tyr Ala Gly Asp
1 5 10 15

Met Phe Arg Asp Leu Ser Glu Lys Leu Ala Trp Phe Glu Gly Thr Gln
20 25 30

Tyr His Phe Asn Leu Leu Lys Ile Ser Val Phe Leu Leu Phe Phe Cys
35 40 45

Cys His Cys Gln Ser Ala Ile Phe Phe Thr Ile Leu Leu Lys Tyr Tyr
50 55 60

Cys Leu Leu Tyr Leu Phe Asn Val His Ile Leu Lys Lys Ser Ser Leu
65 70 75 80

Tyr Glu Leu Phe

<210> 1648

<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1648
Leu Lys Ile Asn Tyr Ile Lys Ile Ser Phe Phe Val Leu Val Phe Phe
1 5 10 15
Leu Xaa Thr Leu Cys Phe Lys Tyr Lys Xaa Lys Tyr Xaa Ile Tyr Phe
20 25 30
Cys Val Leu Pro Ser Glu Leu Lys Phe Pro Met Xaa Leu Thr Glu Leu
35 40 45
Gly Leu Ala Leu Gly Glu Glu Trp Thr Ala Ala Gly
50 55 60

<210> 1649
<211> 390
<212> PRT
<213> Homo sapiens

<400> 1649
Ala Arg Gly Glu Cys Cys Arg Gly Gly Leu Trp Glu Lys Met Ala Ala
1 5 10 15
Ala Ala Gln Ser Arg Val Val Arg Val Leu Ser Met Ser Arg Ser Ala
20 25 30

Ile Thr Ala Ile Ala Thr Ser Val Cys His Gly Pro Pro Cys Arg Gln
 35 40 45
 Leu His His Ala Leu Met Pro His Gly Lys Gly Gly Arg Ser Ser Val
 50 55 60
 Ser Gly Ile Val Ala Thr Val Phe Gly Ala Thr Gly Phe Leu Gly Arg
 65 70 75 80
 Tyr Val Val Asn His Leu Gly Arg Met Gly Ser Gln Val Ile Ile Pro
 85 90 95
 Tyr Arg Cys Asp Lys Tyr Asp Ile Met His Leu Arg Pro Met Gly Asp
 100 105 110
 Leu Gly Gln Leu Leu Phe Leu Glu Trp Asp Ala Arg Asp Lys Asp Ser
 115 120 125
 Ile Arg Arg Val Val Gln His Ser Asn Val Val Ile Asn Leu Ile Gly
 130 135 140
 Arg Asp Trp Glu Thr Lys Asn Phe Asp Phe Glu Asp Val Phe Val Lys
 145 150 155 160
 Ile Pro Gln Ala Ile Ala Gln Leu Ser Lys Glu Ala Gly Val Glu Lys
 165 170 175
 Phe Ile His Val Ser His Leu Asn Ala Asn Ile Lys Ser Ser Ser Arg
 180 185 190
 Tyr Leu Arg Asn Lys Ala Val Gly Glu Lys Val Val Arg Asp Ala Phe
 195 200 205
 Pro Glu Ala Ile Ile Val Lys Pro Ser Asp Ile Phe Gly Arg Glu Asp
 210 215 220
 Arg Phe Leu Asn Ser Phe Ala Ser Met His Arg Phe Gly Pro Ile Pro
 225 230 235 240
 Leu Gly Ser Leu Gly Trp Lys Thr Val Lys Gln Pro Val Tyr Val Val
 245 250 255
 Asp Val Ser Lys Gly Ile Val Asn Ala Val Lys Asp Pro Asp Ala Asn
 260 265 270
 Gly Lys Ser Phe Ala Phe Val Gly Pro Ser Arg Tyr Leu Leu Phe His
 275 280 285
 Leu Val Lys Tyr Ile Phe Ala Val Ala His Arg Leu Phe Leu Pro Phe
 290 295 300

Pro Leu Pro Leu Phe Ala Tyr Arg Trp Val Ala Arg Val Phe Glu Ile
305 310 315 320

Ser Pro Phe Glu Pro Trp Ile Thr Arg Asp Lys Val Glu Arg Met His
325 330 335

Ile Thr Asp Met Lys Leu Pro His Leu Pro Gly Leu Glu Asp Leu Gly
340 345 350

Ile Gln Ala Thr Pro Leu Glu Leu Lys Ala Ile Glu Val Leu Arg Arg
355 360 365

His Arg Thr Tyr Arg Trp Leu Ser Ala Glu Ile Glu Asp Val Lys Pro
370 375 380

Ala Lys Thr Val Asn Ile
385 390

<210> 1650

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1650

Gly Ser Met Gly Gln Ala Gln Ser Lys Pro Thr Pro Pro Gly Thr Met
1 5 10 15

Leu Lys Asn Phe Lys Lys Gly Phe Xaa Gly Asp Tyr Gly Val Thr Met
20 25 30

Thr Pro Gly Lys Leu Arg Thr Leu Cys Glu Ile Asp Trp Pro Ala Leu
 35 40 45
 Glu Val Gly Trp Pro Ser Glu Gly Ser Xaa Asp Arg Ser Leu Val Ser
 50 55 60
 Lys Val Trp His Lys Val Thr Cys Lys Pro Gly Cys Pro Asp Gln Phe
 65 70 75 80
 Xaa Tyr Ile Asp Thr Trp Leu Gln Leu Val Leu Xaa Pro Ser Tyr Pro
 85 90 95
 His Gly Gly

<210> 1651

<211> 153

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1651

Ala Gly Thr Gly Gly Arg Arg Trp Gly Asn Arg Gly Ser Val Arg Leu
 1 5 10 15
 Arg Val Arg Gly Ser Asp Trp Ala Glu Gln Ala Ser His Arg Arg Val
 20 25 30
 Thr Ala Arg Arg Pro Arg Ser Glu Leu Pro Gly Gln Pro Pro Phe Cys
 35 40 45
 Trp Arg Trp Glu Arg Met Trp Ala Trp Gly Trp Gly Gly Ala Lys Leu
 50 55 60
 Arg Gly Arg Ala Ala Asp Thr Leu Lys Leu Arg Ala Gly Arg Ala Gln
 65 70 75 80
 Arg Lys Gly Arg Arg Xaa His Gly Tyr Pro Ser Val Arg Gly Ser Ser
 85 90 95
 Ser Phe Phe Trp Arg Ala Gln Gly Ala Ala Gly Val Met Ser Pro Trp
 100 105 110
 Val Leu Ala Pro Thr Ala Lys Phe Ala Trp Pro Gly Pro Pro Ser Arg

115 120 125
 Gly Leu Thr Arg His Thr Asp Gln Asn Pro Glu Gln Ala Val Leu Ser
 130 135 140

 Ile Leu Arg Leu Leu Arg Leu Pro Arg
 145 150

 <210> 1652
 <211> 312
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (289)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1652
 Thr Phe Ile Trp Leu Ile Leu Ile Met Asn Arg Ala Phe Ser Arg Lys
 1 5 10 15

 Lys Asp Lys Thr Trp Met His Thr Pro Glu Ala Leu Ser Lys His Phe
 20 25 30

 Ile Pro Tyr Asn Ala Lys Phe Leu Gly Ser Thr Glu Val Glu Gln Pro
 35 40 45

 Lys Gly Thr Glu Val Val Arg Asp Ala Val Arg Lys Leu Lys Phe Ala
 50 55 60

 Arg His Ile Lys Lys Ser Glu Gly Gln Lys Ile Pro Lys Val Glu Leu
 65 70 75 80

 Gln Ile Ser Ile Tyr Gly Val Lys Ile Leu Glu Pro Lys Thr Lys Glu
 85 90 95

 Val Gln His Asn Cys Gln Leu His Arg Ile Ser Phe Cys Ala Asp Asp
 100 105 110

 Lys Thr Asp Lys Arg Ile Phe Thr Phe Ile Cys Lys Asp Ser Glu Ser
 115 120 125

 Asn Lys His Leu Cys Tyr Val Phe Asp Ser Glu Lys Cys Ala Glu Glu
 130 135 140

 Ile Thr Leu Thr Ile Gly Gln Ala Phe Asp Leu Ala Tyr Arg Lys Phe
 145 150 155 160

Leu Glu Ser Gly Gly Lys Asp Val Glu Thr Arg Lys Gln Ile Ala Gly
 165 170 175
 Leu Gln Lys Arg Ile Gln Asp Leu Glu Thr Glu Asn Met Glu Leu Lys
 180 185 190
 Asn Lys Val Gln Asp Leu Glu Asn Gln Leu Arg Ile Thr Gln Val Ser
 195 200 205
 Ala Pro Pro Ala Gly Ser Met Thr Pro Lys Ser Pro Ser Thr Asp Ile
 210 215 220
 Phe Asp Met Ile Pro Phe Ser Pro Ile Ser His Gln Ser Ser Met Pro
 225 230 235 240
 Thr Arg Asn Gly Thr Gln Pro Pro Pro Val Pro Ser Arg Ser Thr Glu
 245 250 255
 Ile Lys Arg Asp Leu Phe Gly Ala Glu Pro Phe Asp Pro Phe Asn Cys
 260 265 270
 Gly Ala Ala Asp Phe Pro Pro Asp Ile Gln Ser Lys Leu Asp Glu Met
 275 280 285
 Xaa Glu Gly Phe Lys Met Gly Leu Thr Leu Glu Gly Thr Val Phe Cys
 290 295 300
 Leu Asp Pro Leu Asp Ser Arg Cys
 305 310

<210> 1653

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1653

Tyr Gly Leu Gly Lys Lys Thr Lys Gln Ala Ser Cys Cys Leu Phe Tyr
 1 5 10 15
 Ser Asn Ile Leu Leu His Met Ile Asp Ile Phe Val Val Gly Lys Trp
 20 25 30
 Asp Ala Pro Gln Ile Leu Lys Val Leu Ala Asp Cys Ile Leu Ser Leu
 35 40 45
 Lys Ile
 50

<210> 1654

<211> 117

<212> PRT

<213> Homo sapiens

<400> 1654

Tyr Lys Asn Asp Arg Ser Ser Tyr Glu Arg His Ala Asn Glu Thr Pro
1 5 10 15

Ser Ser Gly Glu Ala Leu Glu Ser Glu Leu Ser Phe Phe Leu Met Ser
20 25 30

Ser Asp Ala Ala Ser Phe Leu Ile Phe Leu Lys Thr Val Cys Phe Cys
35 40 45

Gly Met Tyr Ile Cys Thr Pro Asn Tyr Leu Ala Leu Gly Asn His Ser
50 55 60

Thr Thr Gln Arg Gln Leu Asn Lys Glu Lys Phe Asn Phe Lys Tyr Gln
65 70 75 80

Val Leu Ser Asn Ile Ser Gln Thr Ser Asp Phe Ile Lys Gly Leu Pro
85 90 95

Ala Asn Lys Val His Pro Lys Tyr Thr Gly Glu Lys Ala Arg Leu Leu
100 105 110

Gln Gly Pro Arg Val
115

<210> 1655

<211> 373

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (290)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (325)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (328)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1655

Val Met Ser Thr Ala Ala Leu Ile Thr Leu Val Arg Ser Gly Gly Asn
1 5 10 15

Gln Val Arg Arg Arg Val Leu Leu Ser Ser Arg Leu Leu Gln Asp Asp
20 25 30

Arg Arg Val Thr Pro Thr Cys His Ser Ser Thr Ser Glu Pro Arg Cys
35 40 45

Ser Arg Phe Asp Pro Asp Gly Ser Gly Ser Pro Ala Thr Trp Asp Asn
50 55 60

Phe Gly Ile Trp Asp Asn Arg Ile Asp Glu Pro Ile Leu Leu Pro Pro
65 70 75 80

Ser Ile Lys Tyr Gly Lys Pro Ile Pro Lys Ile Ser Leu Glu Asn Val
85 90 95

Gly Cys Ala Ser Gln Ile Gly Lys Arg Lys Glu Asn Glu Asp Arg Phe
100 105 110

Asp Phe Ala Gln Leu Thr Asp Glu Val Leu Tyr Phe Ala Val Tyr Asp
115 120 125

Gly His Gly Gly Pro Ala Ala Ala Asp Phe Cys His Thr His Met Xaa
130 135 140

Lys Cys Ile Met Asp Leu Leu Pro Lys Glu Lys Asn Leu Glu Thr Leu
145 150 155 160

Leu Thr Leu Ala Phe Leu Glu Ile Asp Lys Ala Phe Ser Ser His Ala
165 170 175

Arg Leu Ser Ala Asp Ala Thr Leu Leu Thr Ser Gly Thr Thr Ala Thr
180 185 190

Val Ala Leu Leu Arg Asp Gly Ile Glu Leu Val Val Ala Ser Val Gly
195 200 205

Asp Ser Arg Ala Ile Leu Cys Arg Lys Gly Lys Pro Met Lys Leu Thr
210 215 220

Ile Asp His Thr Pro Glu Arg Lys Asp Glu Lys Glu Arg Ile Lys Lys

225 230 235 240
 Cys Gly Gly Phe Val Ala Trp Asn Ser Leu Gly Gln Pro His Val Asn
 245 250 255
 Gly Arg Leu Ala Met Thr Arg Ser Ile Gly Asp Leu Asp Leu Lys Thr
 260 265 270
 Ser Gly Val Ile Ala Glu Pro Glu Thr Lys Arg Ile Lys Leu His His
 275 280 285
 Ala Xaa Asp Ser Phe Leu Val Leu Thr Thr Asp Gly Ile Asn Phe Met
 290 295 300
 Val Asn Ser Gln Glu Ile Cys Asp Phe Val Asn Gln Cys His Asp Pro
 305 310 315 320
 Asn Glu Ala Ala Xaa Ala Val Xaa Glu Gln Ala Ile Gln Tyr Gly Thr
 325 330 335
 Glu Asp Asn Ser Thr Ala Val Val Val Pro Phe Gly Ala Trp Gly Lys
 340 345 350
 Tyr Lys Asn Ser Glu Ile Asn Phe Ser Phe Ser Arg Ser Phe Ala Ser
 355 360 365
 Ser Gly Arg Trp Ala
 370

<210> 1656

<211> 82

<212> PRT

<213> Homo sapiens

<400> 1656

Arg Pro Thr Arg Pro Pro Gly Arg Thr Ala Ser Arg Leu Ala Glu Cys
 1 5 10 15
 Gly Leu Ala Gly Ser Ala Val Ser Gln Arg Glu Gln Thr Ser Pro Ser
 20 25 30
 Pro Ser Gly Gln Leu Arg Glu Lys Asn Phe Arg Glu Phe Pro Ala Gly
 35 40 45
 Lys Ala Val Ala Ala Leu Thr Ala Cys Phe Gly Asp Pro Arg Arg Arg
 50 55 60
 Arg Arg His Ser Tyr Leu Pro Thr Lys Lys Ala Pro Pro Pro Ser Ser
 65 70 75 80

Val Ser

<210> 1657

<211> 273

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1657

Val Ala Arg Ser Ser Ser Glu Leu Pro Arg Arg Leu Val Cys Ser Lys
1 5 10 15

Leu Arg Ala Asp Pro Gly Arg Leu Thr Pro Asp Ala Cys Xaa Arg Pro
20 25 30

Gly Met Ser Arg Tyr Leu Leu Pro Leu Ser Ala Leu Gly Thr Val Ala
35 40 45

Gly Ala Ala Val Leu Leu Lys Asp Tyr Val Thr Gly Gly Ala Cys Pro
50 55 60

Ser Lys Ala Thr Ile Pro Gly Lys Thr Val Ile Val Thr Gly Ala Asn
65 70 75 80

Thr Gly Ile Gly Lys Gln Thr Ala Leu Glu Leu Ala Arg Arg Gly Gly
85 90 95

Asn Ile Ile Leu Ala Cys Arg Asp Met Glu Lys Cys Glu Ala Ala Ala
100 105 110

Lys Asp Ile Arg Gly Glu Thr Leu Asn His His Val Asn Ala Arg His
115 120 125

Leu Asp Leu Ala Ser Leu Lys Ser Ile Arg Glu Phe Ala Ala Lys Ile
130 135 140

Ile Glu Glu Glu Glu Arg Val Asp Ile Leu Ile Asn Asn Ala Gly Val
145 150 155 160

Met Arg Cys Pro His Trp Thr Thr Glu Asp Gly Phe Glu Met Gln Phe
165 170 175

Gly Val Asn His Leu Gly His Phe Leu Leu Thr Asn Leu Leu Leu Asp

180 185 190
 Lys Leu Lys Ala Ser Ala Pro Ser Arg Ile Ile Asn Leu Ser Ser Leu
 195 200 205
 Ala His Val Ala Gly His Ile Asp Phe Asp Asp Leu Asn Trp Gln Thr
 210 215 220
 Arg Lys Tyr Asn Thr Lys Ala Ala Tyr Cys Gln Ser Lys Leu Ala Ile
 225 230 235 240
 Val Leu Phe Thr Lys Glu Leu Ser Arg Arg Leu Gln Gly Thr Gly Ala
 245 250 255
 Leu Gly Ser Ala Ser Leu Leu Leu Tyr Ser Glu Pro Arg Ala Ala Phe
 260 265 270

Pro

<210> 1658
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1658
 Tyr Leu Cys Ile Leu Gln Ala Ser Lys Leu Glu Asp Leu Arg Val Lys
 1 5 10 15
 Leu Lys Lys Glu Gly Tyr Ser Asn Ile Ser Tyr Ile Val Val Asn His
 20 25 30
 Gln Gly Ile Ser Ser Arg Leu Lys Tyr Thr His Leu Lys Asn Lys Val
 35 40 45
 Ser Glu His Ile Pro Val Tyr Gln Gln Glu Glu Asn Gln Thr Asp Val
 50 55 60
 Trp Thr Leu Leu Asn Gly Ser Lys Asp Asp Phe Leu Ile Tyr Asp Arg
 65 70 75 80
 Cys Gly Arg Leu Val Tyr His Leu Gly Leu Pro Phe Ser Phe Leu Thr
 85 90 95
 Phe Pro Tyr Val Glu Glu Ala Ile Lys Ile Ala Tyr Cys Glu Lys Lys
 100 105 110
 Cys Gly Asn Cys Ser Leu Thr Thr Leu Lys Asp Glu Asp Phe Cys Lys
 115 120 125

Arg Val Ser Leu Ala Thr Val Asp Lys Thr Val Glu Thr Pro Ser Pro
 130 135 140
 His Tyr His His Glu His His His Asn His Gly His Gln His Leu Gly
 145 150 155 160
 Ser Ser Glu Leu Ser Glu Asn Gln Gln Pro Gly Ala Pro Asn Ala Pro
 165 170 175
 Thr His Pro Ala Pro Pro Gly Leu His His His His Lys His Lys Gly
 180 185 190
 Gln His Arg Gln Gly His Pro Glu Asn Arg Asp Met Pro Ala Ser Glu
 195 200 205
 Asp Leu Gln Asp Leu Gln Lys Lys Leu Cys Arg Lys Arg Cys Ile Asn
 210 215 220
 Gln Leu Leu Cys Lys Leu Pro Thr Asp Ser Glu Leu Ala Pro Arg Ser
 225 230 235 240

<210> 1659

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1659

Xaa Thr Arg Gly Tyr Gly Cys Glu Lys Thr Thr Glu Gly Gly Ser Gln
 1 5 10 15
 Gly Pro Leu Pro Ala Leu Ala Ala Gly Ser Thr Phe Pro Val Leu Ala
 20 25 30
 Cys Ser Ser Ala Met Ala Pro Lys Gly Ser Ser Lys Gln Gln Ser Glu
 35 40 45
 Glu Asp Leu Leu Leu Gln Asp Phe Ser Arg Asn Leu Ser Ala Lys Ser
 50 55 60
 Ser Ala Leu Phe Phe Gly Asn Ala Phe Ile Val Ser Ala Ile Pro Ile

<220>

<221> SITE

<222> (321)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (383)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (403)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1660

Glu Leu Gly Ala Gly Gly Asp Gly His Arg Gly Gly Asp Gly Ala Val

1

5

10

15

Arg Ser Glu Thr Ala Pro Asp Ser Tyr Lys Val Gln Asp Lys Lys Asn

20

25

30

Ala Ser Ser Arg Pro Ala Ser Ala Ile Ser Gly Gln Asn Asn Asn His

35

40

45

Ser Gly Asn Lys Pro Asp Pro Pro Pro Val Leu Arg Val Asp Asp Arg

50

55

60

Gln Arg Leu Ala Arg Glu Arg Arg Glu Glu Arg Glu Lys Gln Leu Ala

65

70

75

80

Ala Arg Glu Ile Val Trp Leu Glu Arg Glu Glu Arg Ala Arg Gln His

85

90

95

Tyr Glu Lys His Leu Glu Glu Arg Lys Lys Arg Leu Glu Glu Gln Arg

100

105

110

Gln Lys Glu Glu Arg Arg Arg Ala Ala Val Glu Glu Lys Arg Arg Gln

115

120

125

Arg Leu Glu Glu Asp Lys Glu Arg His Glu Ala Xaa Val Arg Arg Thr

130

135

140

Met Glu Arg Ser Gln Lys Pro Lys Gln Lys His Asn Arg Trp Ser Trp

145

150

155

160

Gly Gly Ser Xaa His Gly Xaa Pro Ser Ile His Ser Ala Ala Arg Arg

165

170

175

Leu Gln Leu Ser Pro Trp Glu Ser Ser Val Val Asn Arg Leu Leu Thr

180

185

190

Pro Thr His Ser Phe Leu Ala Arg Ser Lys Ser Thr Ala Ala Leu Ser
195 200 205

Gly Glu Ala Ala Ser Cys Ser Pro Ile Ile Met Pro Tyr Lys Ala Ala
210 215 220

His Ser Arg Asn Ser Met Asp Arg Pro Lys Leu Phe Val Thr Pro Pro
225 230 235 240

Glu Gly Ser Ser Arg Arg Arg Ile Ile His Gly Thr Ala Ser Tyr Lys
245 250 255

Lys Glu Arg Glu Arg Glu Asn Val Leu Phe Leu Thr Ser Gly Thr Arg
260 265 270

Arg Ala Val Ser Pro Ser Asn Pro Lys Ala Arg Gln Pro Ala Arg Ser
275 280 285

Arg Leu Trp Leu Pro Ser Lys Ser Leu Pro His Leu Pro Gly Thr Pro
290 295 300

Arg Pro Thr Ser Ser Leu Pro Pro Gly Ser Val Lys Ala Ala Pro Ala
305 310 315 320

Xaa Val Arg Pro Pro Ser Pro Gly Asn Ile Arg Pro Val Lys Arg Glu
325 330 335

Val Lys Val Glu Pro Glu Lys Lys Asp Pro Glu Lys Glu Pro Gln Lys
340 345 350

Val Ala Asn Glu Pro Ser Leu Lys Gly Arg Ala Pro Leu Val Lys Val
355 360 365

Glu Glu Ala Thr Val Glu Glu Arg Thr Pro Ala Glu Pro Glu Xaa Gly
370 375 380

Leu Leu Leu Gln Pro Trp Pro Gln Leu Gln Pro Arg Pro Gln Leu Gln
385 390 395 400

Pro Arg Xaa Gln Leu Gln Pro Arg Ser Pro Pro Gln Pro Trp Ser Gln
405 410 415

Pro Arg His Pro Leu
420

<210> 1661

<211> 468

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1661

Arg Xaa Thr Thr Ser Gly Thr Leu Asp Phe Asp Glu Val Val Asn Asp
1 5 10 15

Ala Asp Ile Ile Leu Val Glu Phe Tyr Ala Pro Trp Cys Gly His Cys
20 25 30

Lys Lys Leu Ala Pro Glu Tyr Glu Lys Ala Ala Lys Glu Leu Ser Lys
35 40 45

Arg Ser Pro Pro Ile Pro Leu Ala Lys Val Asp Ala Thr Ala Glu Thr
50 55 60

Asp Leu Ala Lys Arg Phe Asp Val Ser Gly Tyr Pro Thr Leu Lys Ile
65 70 75 80

Phe Arg Lys Gly Arg Pro Tyr Asp Tyr Asn Gly Pro Arg Glu Lys Tyr
85 90 95

Gly Ile Val Asp Tyr Met Ile Glu Gln Ser Gly Pro Pro Ser Lys Glu
100 105 110

Ile Leu Thr Leu Lys Gln Val Gln Glu Phe Leu Lys Asp Gly Asp Asp
115 120 125

Val Ile Ile Ile Gly Val Phe Lys Gly Glu Ser Asp Pro Ala Tyr Gln
130 135 140

Gln Tyr Gln Asp Ala Ala Asn Asn Leu Arg Glu Asp Tyr Lys Phe His
145 150 155 160

His Thr Phe Ser Thr Glu Ile Ala Lys Phe Leu Lys Val Ser Gln Gly
165 170 175

Gln Leu Val Val Met Gln Pro Glu Lys Phe Gln Ser Lys Tyr Glu Pro
180 185 190

Arg Ser His Met Met Asp Val Gln Gly Ser Thr Gln Asp Ser Ala Ile
195 200 205

Lys Asp Phe Val Leu Lys Tyr Ala Leu Pro Leu Val Gly His Arg Lys
210 215 220

Val Ser Asn Asp Ala Lys Arg Tyr Thr Arg Arg Pro Leu Val Val Val

225 230 235 240
 Tyr Tyr Ser Val Asp Phe Ser Phe Asp Tyr Arg Ala Ala Thr Gln Phe
 245 250 255
 Trp Arg Ser Lys Val Leu Glu Val Ala Lys Asp Phe Pro Glu Tyr Thr
 260 265 270
 Phe Ala Ile Ala Asp Glu Glu Asp Tyr Ala Gly Glu Val Lys Asp Leu
 275 280 285
 Gly Leu Ser Glu Ser Gly Glu Asp Val Asn Ala Ala Ile Leu Asp Glu
 290 295 300
 Ser Gly Lys Lys Phe Ala Met Glu Pro Glu Glu Phe Asp Ser Asp Thr
 305 310 315 320
 Leu Arg Glu Phe Val Thr Ala Phe Lys Lys Gly Lys Leu Lys Pro Val
 325 330 335
 Ile Lys Ser Gln Pro Val Pro Lys Asn Asn Lys Gly Pro Val Lys Val
 340 345 350
 Val Val Gly Lys Thr Phe Asp Ser Ile Val Met Asp Pro Lys Lys Asp
 355 360 365
 Val Leu Ile Glu Phe Tyr Ala Pro Trp Cys Gly His Cys Lys Gln Leu
 370 375 380
 Glu Pro Val Tyr Asn Ser Leu Ala Lys Lys Tyr Lys Gly Gln Lys Gly
 385 390 395 400
 Leu Val Ile Ala Lys Met Asp Ala Thr Ala Asn Asp Val Pro Ser Asp
 405 410 415
 Arg Tyr Lys Val Glu Gly Phe Pro Thr Ile Tyr Phe Ala Pro Ser Gly
 420 425 430
 Asp Lys Lys Asn Pro Val Lys Phe Glu Gly Gly Asp Arg Asp Leu Glu
 435 440 445
 His Leu Ser Lys Phe Ile Glu Glu His Ala Thr Lys Leu Ser Arg Thr
 450 455 460
 Lys Glu Glu Leu
 465

<210> 1662

<211> 355

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (262)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1662

Ala Ala Gly Ile Arg Xaa Arg Arg Gly Gly Cys Lys Met Pro Leu Pro
1 5 10 15

Val Gln Val Phe Asn Leu Gln Gly Ala Val Glu Pro Met Gln Ile Asp
20 25 30

Val Asp Pro Gln Glu Asp Pro Gln Asn Ala Pro Asp Val Asn Tyr Val
35 40 45

Val Glu Asn Pro Ser Leu Asp Leu Glu Gln Tyr Ala Ala Ser Tyr Ser
50 55 60

Gly Leu Met Arg Ile Glu Arg Leu Gln Phe Ile Ala Asp His Cys Pro
65 70 75 80

Thr Leu Arg Val Glu Ala Leu Lys Met Ala Leu Ser Phe Val Gln Arg
85 90 95

Thr Phe Asn Val Asp Met Tyr Glu Glu Ile His Arg Lys Leu Ser Glu
100 105 110

Ala Thr Arg Glu Leu Gln Asn Ala Pro Asp Ala Ile Pro Glu Ser Gly
115 120 125

Val Glu Pro Pro Ala Leu Asp Thr Ala Trp Val Glu Ala Thr Arg Lys
130 135 140

Lys Ala Leu Leu Lys Leu Glu Lys Leu Asp Thr Asp Leu Lys Asn Tyr
145 150 155 160

Lys Gly Asn Ser Ile Lys Glu Ser Ile Arg Arg Gly His Asp Asp Leu
165 170 175

Gly Asp His Tyr Leu Asp Cys Gly Asp Leu Ser Asn Ala Leu Lys Cys
180 185 190

Tyr Ser Arg Ala Arg Asp Tyr Cys Thr Ser Ala Lys His Val Ile Asn

195 200 205
 Met Cys Leu Asn Val Ile Lys Val Ser Val Tyr Leu Gln Asn Trp Ser
 210 215 220
 His Val Leu Ser Tyr Val Ser Lys Ala Glu Ser Thr Pro Glu Ile Ala
 225 230 235 240
 Glu Gln Arg Gly Glu Arg Asp Ser Gln Thr Gln Ala Ile Leu Thr Lys
 245 250 255
 Leu Lys Cys Ala Ala Xaa Trp Gln Ser Trp Pro Pro Gly Ser Thr Ser
 260 265 270
 Arg Leu Pro Ser Ala Ser Cys Trp Leu Pro Leu Ile Thr Val Thr Ser
 275 280 285
 Leu Ser Cys Cys Pro Pro Ala Thr Trp Pro Ser Thr Val Ala Cys Ala
 290 295 300
 Pro Trp Leu Pro Leu Thr Gly Arg Ser Cys Ser Ala Met Ser Ser Pro
 305 310 315 320
 Ala Ala Pro Ser Ser Cys Ser Trp Ser Trp Ser His Arg Ser Glu Thr
 325 330 335
 Ser Ser Ser Asn Ser Thr Ser Pro Ser Thr Pro His Val Ser Arg Cys
 340 345 350
 Trp Thr Arg
 355

<210> 1663

<211> 74

<212> PRT

<213> Homo sapiens

<400> 1663

Leu Ser His Leu Ser Leu Leu Asn Ser Trp Asp Tyr Arg Cys Met Leu
 1 5 10 15
 Pro Cys Leu Ala Thr Phe Cys Val Phe Ser Arg Asp Arg Val Ser Pro
 20 25 30
 Cys Trp Ser Gly Trp Ser Arg Thr Pro Asp Leu Lys Trp Ser Val Trp
 35 40 45
 Leu Gly Leu Pro Arg Cys Trp Asp Tyr Arg Cys Glu Pro Leu His Leu
 50 55 60

Ala Tyr Ile Gly Phe Phe Leu Lys Pro Ile
65 70

<210> 1664

<211> 485

<212> PRT

<213> Homo sapiens

<400> 1664

Pro Gly Ser Ile Leu Arg Glu Thr Gly Leu Gly Cys Asp Ala Ala Ala
1 5 10 15

Gly Val Arg Met Ser Tyr Pro Gly Tyr Pro Pro Thr Gly Tyr Pro Pro
20 25 30

Phe Pro Gly Tyr Pro Pro Ala Gly Gln Glu Ser Ser Phe Pro Pro Ser
35 40 45

Gly Gln Tyr Pro Tyr Pro Ser Gly Phe Pro Pro Met Gly Gly Gly Ala
50 55 60

Tyr Pro Gln Val Pro Ser Ser Gly Tyr Pro Gly Ala Gly Gly Tyr Pro
65 70 75 80

Ala Pro Gly Gly Tyr Pro Ala Pro Gly Gly Tyr Pro Gly Ala Pro Gln
85 90 95

Pro Gly Gly Ala Pro Ser Tyr Pro Gly Val Pro Pro Gly Gln Gly Phe
100 105 110

Gly Val Pro Pro Gly Gly Ala Gly Phe Ser Gly Tyr Pro Gln Pro Pro
115 120 125

Ser Gln Ser Tyr Gly Gly Gly Pro Ala Gln Val Pro Leu Pro Gly Gly
130 135 140

Phe Pro Gly Gly Gln Met Pro Ser Gln Tyr Pro Gly Gly Gln Pro Thr
145 150 155 160

Tyr Pro Ser Gln Pro Ala Thr Val Thr Gln Val Thr Gln Gly Thr Ile
165 170 175

Arg Pro Ala Ala Asn Phe Asp Ala Ile Arg Asp Ala Glu Ile Leu Arg
180 185 190

Lys Ala Met Lys Gly Phe Gly Thr Asp Glu Gln Ala Ile Val Asp Val
195 200 205

Val Ala Asn Arg Ser Asn Asp Gln Arg Gln Lys Ile Lys Ala Ala Phe
 210 215 220
 Lys Thr Ser Tyr Gly Lys Asp Leu Ile Lys Asp Leu Lys Ser Glu Leu
 225 230 235 240
 Ser Gly Asn Met Glu Glu Leu Ile Leu Ala Leu Phe Met Pro Pro Thr
 245 250 255
 Tyr Tyr Asp Ala Trp Ser Leu Arg Lys Ala Met Gln Gly Ala Gly Thr
 260 265 270
 Gln Glu Arg Val Leu Ile Glu Ile Leu Cys Thr Arg Thr Asn Gln Glu
 275 280 285
 Ile Arg Glu Ile Val Arg Cys Tyr Gln Ser Glu Phe Gly Arg Asp Leu
 290 295 300
 Glu Lys Asp Ile Arg Ser Asp Thr Ser Gly His Phe Glu Arg Leu Leu
 305 310 315 320
 Val Ser Met Cys Gln Gly Asn Arg Asp Glu Asn Gln Ser Ile Asn His
 325 330 335
 Gln Met Ala Gln Glu Asp Ala Gln Arg Leu Tyr Gln Ala Gly Glu Gly
 340 345 350
 Arg Leu Gly Thr Asp Glu Ser Cys Phe Asn Met Ile Leu Ala Thr Arg
 355 360 365
 Ser Phe Pro Gln Leu Arg Ala Thr Met Glu Ala Tyr Ser Arg Met Ala
 370 375 380
 Asn Arg Asp Leu Leu Ser Ser Val Ser Arg Glu Phe Ser Gly Tyr Val
 385 390 395 400
 Glu Ser Gly Leu Lys Thr Ile Leu Gln Cys Ala Leu Asn Arg Pro Ala
 405 410 415
 Phe Phe Ala Glu Arg Leu Tyr Tyr Ala Met Lys Gly Ala Gly Thr Asp
 420 425 430
 Asp Ser Thr Leu Val Arg Ile Val Val Thr Arg Ser Glu Ile Asp Leu
 435 440 445
 Val Gln Ile Lys Gln Met Phe Ala Gln Met Tyr Gln Lys Thr Leu Gly
 450 455 460
 Thr Met Ile Ala Gly Asp Thr Ser Gly Asp Tyr Arg Arg Leu Leu Leu
 465 470 475 480

Ala Ile Val Gly Gln
485

<210> 1665

<211> 235

<212> PRT

<213> Homo sapiens

<400> 1665

Arg Asn Val Ile Glu Ala Cys Leu Gln Thr Gly Thr Arg Phe Leu Val
1 5 10 15

Tyr Thr Ser Ser Met Glu Val Val Gly Pro Asn Thr Lys Gly His Pro
20 25 30

Phe Tyr Arg Gly Asn Glu Asp Thr Pro Tyr Glu Ala Val His Arg His
35 40 45

Pro Tyr Pro Cys Ser Lys Ala Leu Ala Glu Trp Leu Val Leu Glu Ala
50 55 60

Asn Gly Arg Lys Val Arg Gly Gly Leu Pro Leu Val Thr Cys Ala Leu
65 70 75 80

Arg Pro Thr Gly Ile Tyr Gly Glu Gly His Gln Ile Met Arg Asp Phe
85 90 95

Tyr Arg Gln Gly Leu Arg Leu Gly Gly Trp Leu Phe Arg Ala Ile Pro
100 105 110

Ala Ser Val Glu His Gly Arg Val Tyr Val Gly Asn Val Ala Trp Met
115 120 125

His Val Leu Ala Ala Arg Glu Leu Glu Gln Arg Ala Ala Leu Met Gly
130 135 140

Gly Gln Val Tyr Phe Cys Tyr Asp Gly Ser Pro Tyr Arg Ser Tyr Glu
145 150 155 160

Asp Phe Asn Met Glu Phe Leu Gly Pro Leu Arg Thr Ala Ala Gly Gly
165 170 175

Arg Pro Pro Ile Ala Ala Leu Leu Ala Ala Gly Val Pro Gly Cys Pro
180 185 190

Gln Cys Pro Ala Ala Val Ala Ala Ala Ala Thr Gly Ala Leu Arg Thr
195 200 205

Pro Ala Glu Pro Leu His Ala Gly Arg Gly Gln His His Leu His Arg

210

215

220

Gln His Arg Gln Gly Ser Ala Pro Phe Arg Leu

225

230

235

<210> 1666

<211> 292

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1666

Ala Ala Leu Glu Gly Pro Glu Glu Glu Leu Glu Gly Ser Ser Glu Pro

1

5

10

15

Glu Glu Trp Cys Pro Pro Met Pro Glu Arg Ser His Leu Thr Glu Pro

20

25

30

Ser Ser Ser Gly Gly Cys Leu Val Thr Pro Ser Arg Arg Glu Thr Pro

35

40

45

Ser Pro Thr Pro Ser Tyr Gly Gln Gln Ser Thr Ala Thr Leu Thr Pro

50

55

60

Ser Pro Pro Asp Pro Pro Gln Pro Pro Thr Asp Met Pro His Leu His

65

70

75

80

Gln Met Pro Arg Xaa Val Pro Leu Gly Pro Ser Ser Pro Leu Ser Val

85

90

95

Ser Gln Pro Met Leu Gly Ile Arg Glu Ala Arg Pro Ala Gly Leu Gly

100

105

110

Ala Gly Pro Ala Ala Ser Pro His Leu Ser Pro Ser Pro Ala Pro Ser

115

120

125

Thr Ala Ser Ser Ala Pro Gly Arg Thr Trp Gln Gly Asn Gly Glu Met

130

135

140

Thr Pro Pro Leu Gln Gly Pro Arg Ala Arg Phe Arg Lys Lys Pro Lys

145

150

155

160

Ala Leu Pro Tyr Arg Arg Glu Asn Ser Pro Gly Asp Leu Pro Pro Pro

165

170

175

Pro Leu Pro Pro Pro Glu Glu Glu Ala Ser Trp Ala Leu Glu Leu Arg
 180 185 190
 Ala Ala Gly Ser Met Ser Ser Leu Glu Arg Glu Arg Ser Gly Glu Arg
 195 200 205
 Lys Ala Val Gln Ala Val Pro Leu Ala Ala Gln Arg Val Leu His Pro
 210 215 220
 Asp Glu Glu Ala Trp Leu Pro Tyr Ser Arg Pro Ser Phe Leu Ser Arg
 225 230 235 240
 Gly Gln Gly Thr Ser Thr Cys Ser Thr Ala Gly Ser Asn Ser Ser Arg
 245 250 255
 Gly Ser Ser Ser Ser Arg Gly Ser Arg Gly Pro Gly Arg Ser Arg Ser
 260 265 270
 Arg Ser Gln Ser Arg Ser Gln Ser Gln Arg Pro Gly Gln Lys Arg Arg
 275 280 285
 Glu Glu Pro Arg
 290

<210> 1667

<211> 521

<212> PRT

<213> Homo sapiens

<400> 1667

Lys Trp Lys Ser Gly Lys Asp Val Asp Ile Ser Leu Leu Val Ser Phe
 1 5 10 15
 Asn Lys Met Lys Lys Leu Thr Thr Asp Gly Lys Leu Ile Ala Arg Ala
 20 25 30
 Leu Arg Ser Ser Ala Val Val Glu Leu Asp Leu Glu Gly Thr Arg Ile
 35 40 45
 Arg Arg Lys Lys Pro Leu Gly Glu Arg Pro Lys Asp Glu Asp Glu Arg
 50 55 60
 Thr Val Tyr Val Glu Leu Leu Pro Lys Asn Val Asn His Ser Trp Ile
 65 70 75 80
 Glu Arg Val Phe Gly Lys Cys Gly Asn Val Val Tyr Ile Ser Ile Pro
 85 90 95
 His Tyr Lys Ser Thr Gly Asp Pro Lys Gly Phe Ala Phe Val Glu Phe

100 105 110
Glu Thr Lys Glu Gln Ala Ala Lys Ala Ile Glu Phe Leu Asn Asn Pro
115 120 125
Pro Glu Glu Ala Pro Arg Lys Pro Gly Ile Phe Pro Lys Thr Val Lys
130 135 140
Asn Lys Pro Ile Pro Ala Leu Arg Val Val Glu Glu Lys Lys Lys Lys
145 150 155 160
Lys Lys Lys Lys Gly Arg Met Lys Lys Glu Asp Asn Ile Gln Ala Lys
165 170 175
Glu Glu Asn Met Asp Thr Ser Asn Thr Ser Ile Ser Lys Met Lys Arg
180 185 190
Ser Arg Pro Thr Ser Glu Gly Ser Asp Ile Glu Ser Thr Glu Pro Gln
195 200 205
Lys Gln Cys Ser Lys Lys Lys Lys Lys Arg Asp Arg Val Glu Ala Ser
210 215 220
Ser Leu Pro Glu Val Arg Thr Gly Lys Arg Lys Arg Ser Ser Ser Glu
225 230 235 240
Asp Ala Glu Ser Leu Ala Pro Arg Ser Lys Val Lys Lys Ile Ile Gln
245 250 255
Lys Asp Ile Ile Lys Glu Ala Ser Glu Ala Ser Lys Glu Asn Arg Asp
260 265 270
Ile Glu Ile Ser Thr Glu Glu Glu Lys Asp Thr Gly Asp Leu Lys Asp
275 280 285
Ser Ser Leu Leu Lys Thr Lys Arg Lys His Lys Lys Lys His Lys Glu
290 295 300
Arg His Lys Met Gly Glu Glu Val Ile Pro Leu Arg Val Leu Ser Lys
305 310 315 320
Ser Glu Trp Met Asp Leu Lys Lys Glu Tyr Leu Ala Leu Gln Lys Ala
325 330 335
Ser Met Ala Ser Leu Lys Lys Thr Ile Ser Gln Ile Lys Ser Glu Ser
340 345 350
Glu Met Glu Thr Asp Ser Gly Val Pro Gln Asn Thr Gly Met Lys Asn
355 360 365
Glu Lys Thr Ala Asn Arg Glu Glu Cys Arg Thr Gln Glu Lys Val Asn

370 375 380
 Ala Thr Gly Pro Gln Phe Val Ser Gly Val Ile Val Lys Ile Ile Ser
 385 390 395 400
 Thr Glu Pro Leu Pro Gly Arg Lys Gln Val Arg Asp Thr Leu Ala Ala
 405 410 415
 Ile Ser Glu Val Leu Tyr Val Asp Leu Leu Glu Gly Asp Thr Glu Cys
 420 425 430
 His Ala Arg Phe Lys Thr Pro Glu Asp Ala Gln Ala Val Ile Asn Ala
 435 440 445
 Tyr Thr Glu Ile Asn Lys Lys His Cys Trp Lys Leu Glu Ile Leu Ser
 450 455 460
 Gly Asp His Glu Gln Arg Tyr Trp Gln Lys Ile Leu Val Asp Arg Gln
 465 470 475 480
 Ala Lys Leu Asn Gln Pro Arg Glu Lys Lys Arg Gly Thr Glu Lys Leu
 485 490 495
 Ile Thr Lys Ala Glu Lys Ile Arg Leu Ala Lys Thr Gln Gln Ala Ser
 500 505 510
 Lys His Ile Arg Phe Ser Glu Tyr Asp
 515 520

<210> 1668

<211> 306

<212> PRT

<213> Homo sapiens

<400> 1668

Phe Pro Glu Leu Ser Gly Arg Arg Ala Lys Ala Lys Gly Val Trp Arg
 1 5 10 15
 Ala Ala Pro Gly Ala Asn Met Pro Arg Tyr Ala Gln Leu Val Met Gly
 20 25 30
 Pro Ala Gly Ser Gly Lys Ser Thr Tyr Cys Ala Thr Met Val Gln His
 35 40 45
 Cys Glu Ala Leu Asn Arg Ser Val Gln Val Val Asn Leu Asp Pro Ala
 50 55 60
 Ala Glu His Phe Asn Tyr Ser Val Met Ala Asp Ile Arg Glu Leu Ile
 65 70 75 80

Glu Val Asp Asp Val Met Glu Asp Asp Ser Leu Arg Phe Gly Pro Asn
85 90 95

Gly Gly Leu Val Phe Cys Met Glu Tyr Phe Ala Asn Asn Phe Asp Trp
100 105 110

Leu Glu Asn Cys Leu Gly His Val Glu Asp Asp Tyr Ile Leu Phe Asp
115 120 125

Cys Pro Gly Gln Ile Glu Leu Tyr Thr His Leu Pro Val Met Lys Gln
130 135 140

Leu Val Gln Gln Leu Glu Gln Trp Glu Phe Arg Val Cys Gly Val Phe
145 150 155 160

Leu Val Asp Ser Gln Phe Met Val Glu Ser Phe Lys Phe Ile Ser Gly
165 170 175

Ile Leu Ala Ala Leu Ser Ala Met Ile Ser Leu Glu Ile Pro Gln Val
180 185 190

Asn Ile Met Thr Lys Met Asp Leu Leu Ser Lys Lys Ala Lys Lys Glu
195 200 205

Ile Glu Lys Phe Leu Asp Pro Asp Met Tyr Ser Leu Leu Glu Asp Ser
210 215 220

Thr Ser Asp Leu Arg Ser Lys Lys Phe Lys Lys Leu Thr Lys Ala Ile
225 230 235 240

Cys Gly Leu Ile Asp Asp Tyr Ser Met Val Arg Phe Leu Pro Tyr Asp
245 250 255

Gln Ser Asp Glu Glu Ser Met Asn Ile Val Leu Gln His Ile Asp Phe
260 265 270

Ala Ile Gln Tyr Gly Glu Asp Leu Glu Phe Lys Glu Pro Lys Glu Arg
275 280 285

Glu Asp Glu Ser Ser Ser Met Phe Asp Glu Tyr Phe Gln Glu Cys Gln
290 295 300

Asp Glu
305

<210> 1669

<211> 412

<212> PRT

<213> Homo sapiens

<400> 1669

Glu Thr Glu Asp Val Met Glu Leu Leu Glu Glu Asp Leu Thr Cys Pro
1 5 10 15

Ile Cys Cys Ser Leu Phe Asp Asp Pro Arg Val Leu Pro Cys Ser His
20 25 30

Asn Phe Cys Lys Lys Cys Leu Glu Gly Ile Leu Glu Gly Ser Val Arg
35 40 45

Asn Ser Leu Trp Arg Pro Ala Pro Phe Lys Cys Pro Thr Cys Arg Lys
50 55 60

Glu Thr Ser Ala Thr Gly Ile Asn Ser Leu Gln Val Asn Tyr Ser Leu
65 70 75 80

Lys Gly Ile Val Glu Lys Tyr Asn Lys Ile Lys Ile Ser Pro Lys Met
85 90 95

Pro Val Cys Lys Gly His Leu Gly Gln Pro Leu Asn Ile Phe Cys Leu
100 105 110

Thr Asp Met Gln Leu Ile Cys Gly Ile Cys Ala Thr Arg Gly Glu His
115 120 125

Thr Lys His Val Phe Cys Ser Ile Glu Asp Ala Tyr Ala Gln Glu Arg
130 135 140

Asp Ala Phe Glu Ser Leu Phe Gln Ser Phe Glu Thr Trp Arg Arg Gly
145 150 155 160

Asp Ala Leu Ser Arg Leu Asp Thr Leu Glu Thr Ser Lys Arg Lys Ser
165 170 175

Leu Gln Leu Leu Thr Lys Asp Ser Asp Lys Val Lys Glu Phe Phe Glu
180 185 190

Lys Leu Gln His Thr Leu Asp Gln Lys Lys Asn Glu Ile Leu Ser Asp
195 200 205

Phe Glu Thr Met Lys Leu Ala Val Met Gln Ala Tyr Asp Pro Glu Ile
210 215 220

Asn Lys Leu Asn Thr Ile Leu Gln Glu Gln Arg Met Ala Phe Asn Ile
225 230 235 240

Ala Glu Ala Phe Lys Asp Val Ser Glu Pro Ile Val Phe Leu Gln Gln
245 250 255

Met Gln Glu Phe Arg Glu Lys Ile Lys Val Ile Lys Glu Thr Pro Leu
 260 265 270
 Pro Pro Ser Asn Leu Pro Ala Ser Pro Leu Met Lys Asn Phe Asp Thr
 275 280 285
 Ser Gln Trp Glu Asp Ile Lys Leu Val Asp Val Asp Lys Leu Ser Leu
 290 295 300
 Pro Gln Asp Thr Gly Thr Phe Ile Ser Lys Ile Pro Trp Ser Phe Tyr
 305 310 315 320
 Lys Leu Phe Leu Leu Ile Leu Leu Leu Gly Leu Val Ile Val Phe Gly
 325 330 335
 Pro Thr Met Phe Leu Glu Trp Ser Leu Phe Asp Asp Leu Ala Thr Trp
 340 345 350
 Lys Gly Cys Leu Ser Asn Phe Ser Ser Tyr Leu Thr Lys Thr Ala Asp
 355 360 365
 Phe Ile Glu Gln Ser Val Phe Tyr Trp Glu Gln Val Thr Asp Gly Phe
 370 375 380
 Phe Ile Phe Asn Glu Arg Phe Lys Asn Phe Thr Leu Val Val Leu Asn
 385 390 395 400
 Asn Val Ala Glu Phe Val Cys Lys Tyr Lys Leu Leu
 405 410

<210> 1670

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1670

Pro Glu Glu Ala Leu Glu Pro Glu Ala Met Ala His Tyr Pro Thr Arg
 1 5 10 15
 Leu Lys Thr Arg Lys Thr Tyr Ser Trp Val Gly Arg Pro Leu Leu Asp
 20 25 30
 Arg Lys Leu His Tyr Gln Thr Tyr Arg Glu Met Cys Val Lys Thr Glu
 35 40 45
 Gly Cys Ser Thr Glu Ile His Ile Gln Ile Gly Gln Phe Val Leu Ile
 50 55 60
 Glu Gly Asp Asp Asp Glu Asn Pro Tyr Val Ala Lys Leu Leu Glu Leu

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65              70              75              80
Phe Glu Asp Asp Ser Asp Pro Pro Pro
      85

<210> 1671
<211> 218
<212> PRT
<213> Homo sapiens

<400> 1671
Asp Pro Arg Val Arg Ile Glu Ile Ile Thr Asp Arg Gln Ser Gly Lys
  1              5              10              15

Lys Arg Gly Phe Gly Phe Val Thr Phe Asp Asp His Asp Pro Val Asp
      20              25              30

Lys Ile Val Leu Gln Lys Tyr His Thr Ile Asn Gly His Asn Ala Glu
      35              40              45

Val Arg Lys Ala Leu Ser Arg Gln Glu Met Gln Glu Val Gln Ser Ser
      50              55              60

Arg Ser Gly Arg Gly Gly Asn Phe Gly Phe Gly Asp Ser Arg Gly Gly
      65              70              75              80

Gly Gly Asn Phe Gly Pro Gly Pro Gly Ser Asn Phe Arg Gly Gly Ser
      85              90              95

Asp Gly Tyr Gly Ser Gly Arg Gly Phe Gly Asp Gly Tyr Asn Gly Tyr
      100              105              110

Gly Gly Gly Pro Gly Gly Gly Asn Phe Gly Gly Ser Pro Gly Tyr Gly
      115              120              125

Gly Gly Arg Gly Gly Tyr Gly Gly Gly Gly Pro Gly Tyr Gly Asn Gln
      130              135              140

Gly Gly Gly Tyr Gly Gly Gly Tyr Asp Asn Tyr Gly Gly Gly Asn Tyr
      145              150              155              160

Gly Ser Gly Asn Tyr Asn Asp Phe Gly Asn Tyr Asn Gln Gln Pro Ser
      165              170              175

Asn Tyr Gly Pro Met Lys Ser Gly Asn Phe Gly Gly Ser Arg Asn Met
      180              185              190

Gly Gly Pro Tyr Gly Gly Gly Asn Tyr Gly Pro Gly Gly Ser Gly Gly
      195              200              205

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Ser Gly Gly Tyr Gly Gly Arg Ser Arg Tyr
 210 215

<210> 1672

<211> 575

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (555)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1672

Glu Glu Leu Arg Val Arg Glu His Val Thr Gly Gly Ile Cys Gly Gly
 1 5 10 15

Ser Gln Met Met Val Val Leu Leu Gly Ala Thr Thr Leu Val Leu Val
 20 25 30

Ala Val Ala Pro Trp Val Leu Ser Ala Ala Ala Gly Gly Lys Asn Leu
 35 40 45

Lys Ser Pro Gln Lys Val Glu Val Asp Ile Ile Asp Asp Asn Phe Ile
 50 55 60

Leu Arg Trp Asn Arg Ser Asp Glu Ser Val Gly Asn Val Thr Phe Ser
 65 70 75 80

Phe Asp Tyr Gln Lys Thr Gly Met Asp Asn Trp Ile Lys Leu Ser Gly
 85 90 95

Cys Gln Asn Ile Thr Ser Thr Lys Cys Asn Phe Ser Ser Leu Lys Leu
 100 105 110

Asn Val Tyr Glu Glu Ile Lys Leu Arg Ile Arg Ala Glu Lys Glu Asn
 115 120 125

Thr Ser Ser Trp Tyr Glu Val Asp Ser Phe Thr Pro Phe Arg Lys Ala
 130 135 140

Gln Ile Gly Pro Pro Glu Val His Leu Glu Ala Glu Asp Lys Ala Ile
 145 150 155 160

Val Ile His Ile Ser Pro Gly Thr Lys Asp Ser Val Met Trp Ala Leu
165 170 175

Asp Gly Leu Ser Phe Thr Tyr Ser Leu Xaa Ile Trp Lys Asn Ser Ser
180 185 190

Gly Val Glu Glu Arg Ile Glu Asn Ile Tyr Ser Arg His Lys Ile Tyr
195 200 205

Lys Leu Ser Pro Glu Thr Thr Tyr Cys Leu Lys Val Lys Ala Ala Leu
210 215 220

Leu Thr Ser Trp Lys Ile Gly Val Tyr Ser Pro Val His Cys Ile Lys
225 230 235 240

Thr Thr Val Glu Asn Glu Leu Pro Pro Pro Glu Asn Ile Glu Val Ser
245 250 255

Val Gln Asn Gln Asn Tyr Val Leu Lys Trp Asp Tyr Thr Tyr Ala Asn
260 265 270

Met Thr Phe Gln Val Gln Trp Leu His Ala Phe Leu Lys Arg Asn Pro
275 280 285

Gly Asn His Leu Tyr Lys Trp Lys Gln Ile Pro Asp Cys Glu Asn Val
290 295 300

Lys Thr Thr Gln Cys Val Phe Pro Gln Asn Val Phe Gln Lys Gly Ile
305 310 315 320

Tyr Leu Leu Arg Val Gln Ala Ser Asp Gly Asn Asn Thr Ser Phe Trp
325 330 335

Ser Glu Glu Ile Lys Phe Asp Thr Glu Ile Gln Ala Phe Leu Leu Pro
340 345 350

Pro Val Phe Asn Ile Arg Ser Leu Ser Asp Ser Phe His Ile Tyr Ile
355 360 365

Gly Ala Pro Lys Gln Ser Gly Asn Thr Pro Val Ile Gln Asp Tyr Pro
370 375 380

Leu Ile Tyr Glu Ile Ile Phe Trp Glu Asn Thr Ser Asn Ala Glu Arg
385 390 395 400

Lys Ile Ile Glu Lys Lys Thr Asp Val Thr Val Pro Asn Leu Lys Pro
405 410 415

Leu Thr Val Tyr Cys Val Lys Ala Arg Ala His Thr Met Asp Glu Lys
420 425 430

Arg Lys Ala Lys Lys Asp Asp Gln Met Leu Lys Arg Arg Asn Val Ser
85 90 95

Ser Phe Pro Asp Asp Ala Thr Ser Pro Leu Gln Glu Asn Arg Asn Asn
100 105 110

Gln Gly Thr Val Asn Trp Ser Val Asp Asp Ile Val Lys Gly Ile Asn
115 120 125

Ser Ser Asn Val Glu Asn Gln Leu Gln Ala Thr Gln Ala Ala Arg Lys
130 135 140

Leu Leu Ser Arg Glu Lys Gln Pro Pro Ile Asp Asn Ile Ile Arg Ala
145 150 155 160

Gly Leu Ile Pro Lys Phe Val Ser Phe Leu Gly Arg Thr Asp Cys Ser
165 170 175

Pro Ile Gln Phe Glu Ser Ala Trp Ala Leu Thr Asn Ile Ala Ser Gly
180 185 190

Thr Ser Glu Gln Thr Lys Ala Val Val Asp Gly Gly Ala Ile Pro Ala
195 200 205

Phe Ile Ser Leu Leu Ala Ser Pro His Ala His Ile Ser Glu Gln Ala
210 215 220

Val Trp Ala Leu Gly Asn Ile Ala Gly Asp Gly Ser Val Phe Arg Asp
225 230 235 240

Leu Val Ile Lys Tyr Gly Ala Val Asp Pro Leu Leu Ala Leu Leu Ala
245 250 255

Val Pro Asp Met Ser Ser Leu Ala Cys Gly Tyr Leu Arg Asn Leu Thr
260 265 270

Trp Thr Leu Ser Asn Leu Cys Arg Asn Lys Asn Pro Ala Pro Pro Ile
275 280 285

Asp Ala Val Glu Gln Ile Leu Pro Thr Leu Val Arg Leu Leu His His
290 295 300

Asp Asp Pro Glu Val Leu Ala Asp Thr Cys Trp Ala Ile Ser Tyr Leu
305 310 315 320

Thr Asp Gly Pro Asn Glu Arg Ile Gly Met Val Val Lys Thr Gly Val
325 330 335

Val Pro Gln Leu Val Lys Leu Leu Gly Ala Ser Glu Leu Pro Ile Val
340 345 350

Thr Pro Ala Leu Arg Ala Ile Gly Asn Ile Val Thr Gly Thr Asp Glu
 355 360 365
 Gln Thr Gln Val Val Ile Asp Ala Gly Ala Leu Ala Val Phe Pro Ser
 370 375 380
 Leu Leu Thr Asn Pro Lys Thr Asn Ile Gln Lys Glu Ala Thr Trp Thr
 385 390 395 400
 Met Ser Asn Ile Thr Ala Gly Arg Gln Asp Gln Ile Gln Gln Val Val
 405 410 415
 Asn His Gly Leu Val Pro Phe Leu Val Ser Val Leu Ser Lys Ala Asp
 420 425 430
 Phe Lys Thr Gln Lys Glu Ala Val Trp Ala Val Thr Asn Tyr Thr Ser
 435 440 445
 Gly Gly Thr Val Glu Gln Ile Val Tyr Leu Val His Cys Gly Ile Ile
 450 455 460
 Glu Pro Leu Met Asn Leu Leu Thr Ala Lys Asp Thr Lys Ile Ile Leu
 465 470 475 480
 Val Ile Leu Asp Ala Ile Ser Asn Ile Phe Gln Ala Ala Glu Lys Leu
 485 490 495
 Gly Glu Thr Glu Lys Leu Ser Ile Met Ile Glu Glu Cys Gly Gly Leu
 500 505 510
 Asp Lys Ile Glu Ala Leu Gln Asn His Glu Asn Glu Ser Val Tyr Lys
 515 520 525
 Ala Ser Leu Ser Leu Ile Glu Lys Tyr Phe Ser Val Glu Glu Glu Glu
 530 535 540
 Asp Gln Asn Val Val Pro Glu Thr Thr Ser Glu Gly Tyr Thr Phe Gln
 545 550 555 560
 Val Gln Asp Gly Ala Pro Gly Thr Phe Asn Phe
 565 570

<210> 1674

<211> 375

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (338)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (340)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (356)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (372)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1674

Ser Glu Pro Leu Gly Arg Phe Leu Leu Phe Arg Arg Leu His Ser Val
1 5 10 15

Pro Arg Gly Ser Ala Leu Cys Ala Met Asp Gly Ile Val Pro Asp Ile
20 25 30

Ala Val Gly Thr Lys Arg Gly Ser Asp Glu Leu Phe Ser Thr Cys Val
35 40 45

Thr Asn Gly Pro Phe Ile Met Ser Ser Asn Ser Ala Ser Ala Ala Asn
50 55 60

Gly Asn Asp Ser Lys Lys Phe Lys Gly Asp Ser Arg Ser Ala Gly Val
65 70 75 80

Pro Ser Arg Val Ile His Ile Arg Lys Leu Pro Ile Asp Val Thr Glu
85 90 95

Gly Glu Val Ile Ser Leu Gly Leu Pro Phe Gly Lys Val Thr Asn Leu
100 105 110

Leu Met Leu Lys Gly Lys Asn Gln Ala Phe Ile Glu Met Asn Thr Glu
115 120 125

Glu Ala Ala Asn Thr Met Val Asn Tyr Tyr Thr Ser Val Thr Pro Val
130 135 140

Leu Arg Gly Gln Pro Ile Tyr Ile Gln Phe Ser Asn His Lys Glu Leu
145 150 155 160

Lys Thr Asp Ser Ser Pro Asn Gln Ala Arg Ala Gln Ala Ala Leu Gln
165 170 175

Ala Val Asn Ser Val Gln Ser Gly Asn Leu Ala Leu Ala Ala Ser Ala
180 185 190

Ala Ala Val Asp Ala Gly Met Ala Met Ala Gly Gln Ser Pro Val Leu
195 200 205

Arg Ile Ile Val Glu Asn Leu Phe Tyr Pro Val Thr Leu Asp Val Leu
210 215 220

His Gln Ile Phe Ser Lys Phe Gly Thr Val Leu Lys Ile Ile Thr Phe
225 230 235 240

Thr Lys Asn Asn Gln Phe Gln Ala Leu Leu Gln Tyr Ala Asp Pro Val
245 250 255

Ser Ala Gln His Ala Lys Leu Ser Leu Asp Gly Gln Asn Ile Tyr Asn
260 265 270

Ala Cys Cys Thr Leu Arg Ile Asp Phe Ser Lys Leu Thr Ser Leu Asn
275 280 285

Val Lys Tyr Asn Asn Asp Lys Ser Arg Asp Tyr Thr Arg Pro Asp Leu
290 295 300

Pro Ser Gly Asp Ser Gln Pro Ser Leu Asp Gln Thr Met Ala Ala Ala
305 310 315 320

Phe Gly Ala Pro Gly Ile Ile Ser Ala Ser Pro Tyr Ala Gly Ala Gly
325 330 335

Phe Xaa Pro Xaa Phe Ala Ile Pro Gln Ala Ala Gly Phe Pro Phe Arg
340 345 350

Thr Ser Thr Xaa Pro Trp Pro Leu Ala Arg Thr Glu Pro Arg Trp Leu
355 360 365

Leu Ile Ala Xaa Gly Thr Ala
370 375

<210> 1675

<211> 193

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1675

Pro Arg Phe Ser Val Phe Cys Ser Arg Leu Arg Arg Glu Arg Arg Arg
1 5 10 15

Arg Trp Arg Leu Arg Arg Glu Thr Ala Arg Arg Ser Glu Arg Ala Leu
20 25 30

Arg Leu Pro Pro Pro Gln Gln Arg Arg Arg Arg Arg His Arg Ser Ser
35 40 45

Pro Asp Arg Ser Arg Ser Leu Pro Ser Pro Ala Ile Arg Ala Pro Leu
50 55 60

Pro Asp Leu Tyr Pro Phe Gly Thr Met Arg Gly Gly Gly Phe Gly Asp
65 70 75 80

Arg Asp Arg Asp Arg Asp Arg Gly Gly Phe Gly Ala Arg Gly Gly Gly
85 90 95

Gly Leu Pro Pro Lys Lys Phe Gly Asn Pro Gly Glu Arg Leu Arg Lys
100 105 110

Lys Lys Trp Asp Leu Ser Glu Leu Pro Lys Phe Glu Lys Asn Phe Tyr
115 120 125

Val Glu His Pro Glu Val Ala Arg Leu Thr Pro Tyr Glu Val Asp Glu
130 135 140

Leu Arg Arg Lys Lys Glu Ile Thr Val Arg Gly Gly Asp Val Cys Pro
145 150 155 160

Lys Pro Val Phe Ala Phe His His Ala Asn Phe Pro Gln Tyr Val Met
165 170 175

Asp Val Leu Met Asp Ser Arg Thr Leu Gln Asp Asn Ile Xaa Gly Arg
180 185 190

Leu

<210> 1676

<211> 365

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1676

His	Glu	Gly	Met	Phe	Pro	Pro	Phe	Lys	Val	Arg	Cys	Ser	Gly	Leu	Asp	1	5	10	15
Lys	Lys	Ala	Lys	Tyr	Ile	Leu	Leu	Met	Asp	Ile	Ile	Ala	Ala	Asp	Asp	20	25	30	
Cys	Arg	Tyr	Lys	Phe	His	Asn	Ser	Arg	Trp	Met	Val	Ala	Gly	Xaa	Ala	35	40	45	
Asp	Pro	Glu	Met	Pro	Lys	Arg	Met	Tyr	Ile	His	Pro	Asp	Ser	Pro	Ala	50	55	60	
Thr	Gly	Glu	Gln	Trp	Met	Ser	Lys	Val	Val	Thr	Phe	His	Lys	Leu	Lys	65	70	75	80
Leu	Thr	Asn	Asn	Ile	Ser	Asp	Lys	His	Gly	Phe	Thr	Leu	Ala	Phe	Pro	85	90	95	
Ser	Asp	His	Ala	Thr	Trp	Gln	Gly	Asn	Tyr	Ser	Phe	Gly	Thr	Gln	Thr	100	105	110	
Ile	Leu	Asn	Ser	Met	His	Lys	Tyr	Gln	Pro	Arg	Phe	His	Ile	Val	Arg	115	120	125	
Ala	Asn	Asp	Ile	Leu	Lys	Leu	Pro	Tyr	Ser	Thr	Phe	Arg	Thr	Tyr	Leu	130	135	140	
Phe	Pro	Glu	Thr	Glu	Phe	Ile	Ala	Val	Thr	Ala	Tyr	Gln	Asn	Asp	Lys	145	150	155	160
Ile	Thr	Gln	Leu	Lys	Ile	Asp	Asn	Asn	Pro	Phe	Ala	Lys	Gly	Phe	Arg	165	170	175	
Asp	Thr	Gly	Asn	Gly	Arg	Arg	Glu	Lys	Arg	Lys	Gln	Leu	Thr	Leu	Gln	180	185	190	
Ser	Met	Arg	Val	Phe	Asp	Glu	Arg	His	Lys	Lys	Glu	Asn	Gly	Thr	Ser	195	200	205	
Asp	Glu	Ser	Ser	Ser	Glu	Gln	Ala	Ala	Phe	Asn	Xaa	Phe	Ala	Gln	Ala	210	215	220	
Ser	Ser	Pro	Ala	Ala	Ser	Thr	Val	Gly	Thr	Ser	Asn	Leu	Lys	Asp	Leu				

225 230 235 240
 Cys Pro Ser Glu Gly Glu Ser Asp Ala Glu Ala Glu Ser Lys Glu Glu
 245 250 255
 His Gly Pro Glu Ala Cys Asp Ala Ala Lys Ile Ser Thr Thr Thr Ser
 260 265 270
 Glu Glu Pro Cys Arg Asp Lys Gly Ser Pro Ala Val Lys Ala His Leu
 275 280 285
 Phe Ala Ala Glu Arg Pro Arg Asp Ser Gly Arg Leu Asp Lys Ala Ser
 290 295 300
 Pro Asp Ser Arg His Ser Pro Ala Thr Ile Ser Ser Ser Thr Arg Gly
 305 310 315 320
 Leu Gly Ala Glu Glu Arg Arg Ser Pro Val Arg Glu Gly Thr Ala Pro
 325 330 335
 Ala Lys Val Glu Glu Ala Arg Ala Leu Pro Gly Lys Glu Ala Phe Ala
 340 345 350
 Pro Leu Thr Val Gln Thr Asp Ala Ala Ala Ser Leu Phe
 355 360 365

<210> 1677

<211> 668

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1677

His Met Val Leu Arg Pro Phe Leu Leu Arg Arg Ile Lys Ala Asp Val
 1 5 10 15

Glu Lys Ser Leu Pro Pro Lys Lys Glu Val Lys Ile Tyr Val Gly Leu
 20 25 30

Ser Lys Met Gln Arg Glu Trp Tyr Thr Arg Ile Leu Met Lys Asp Ile

35	40	45
Asp Ile Leu Asn Ser Ala Gly Lys Met Asp Lys Met Arg Leu Leu Asn		
50	55	60
Ile Leu Met Gln Leu Xaa Xaa Cys Cys Asn His Pro Tyr Leu Phe Asp		
65	70	75
Gly Ala Glu Pro Gly Pro Pro Tyr Thr Thr Asp Met His Leu Val Thr		
	85	90
Asn Ser Gly Lys Met Val Val Leu Asp Lys Leu Leu Pro Lys Leu Lys		
	100	105
Glu Gln Gly Ser Arg Val Leu Ile Phe Ser Gln Met Thr Arg Val Leu		
	115	120
Asp Ile Leu Glu Asp Tyr Cys Met Trp Arg Asn Tyr Glu Tyr Cys Arg		
	130	135
Leu Asp Gly Gln Thr Pro His Asp Glu Arg Gln Asp Ser Ile Asn Ala		
	145	150
Tyr Asn Glu Pro Asn Ser Thr Lys Phe Val Phe Met Leu Ser Thr Arg		
	165	170
Ala Gly Gly Leu Gly Ile Asn Leu Ala Thr Ala Asp Val Val Ile Leu		
	180	185
Tyr Asp Ser Asp Trp Asn Pro Gln Val Asp Leu Gln Ala Met Asp Arg		
	195	200
Ala His Arg Ile Gly Gln Thr Lys Thr Val Arg Val Phe Arg Phe Ile		
	210	215
Thr Asp Asn Thr Val Glu Glu Arg Ile Val Glu Arg Ala Glu Met Lys		
	225	230
Leu Arg Leu Asp Ser Ile Val Ile Gln Gln Gly Arg Leu Val Asp Gln		
	245	250
Asn Leu Asn Lys Ile Gly Lys Asp Glu Met Leu Gln Met Ile Arg His		
	260	265
Gly Ala Thr His Val Phe Ala Ser Lys Glu Ser Glu Ile Thr Asp Glu		
	275	280
Asp Ile Asp Gly Ile Leu Glu Arg Gly Ala Lys Lys Thr Ala Glu Met		
	290	295
Asn Glu Lys Leu Ser Lys Met Gly Glu Ser Ser Leu Arg Asn Phe Thr		
		300

305 310 315 320
Met Asp Thr Glu Ser Ser Val Tyr Asn Phe Glu Gly Glu Asp Tyr Arg
 325 330 335
Glu Lys Gln Lys Ile Ala Phe Thr Glu Trp Ile Glu Pro Pro Lys Arg
 340 345 350
Glu Arg Lys Ala Asn Tyr Ala Val Asp Ala Tyr Phe Arg Glu Ala Leu
 355 360 365
Arg Val Ser Glu Pro Lys Ala Pro Lys Ala Pro Arg Pro Pro Lys Gln
 370 375 380
Pro Asn Val Gln Asp Phe Gln Phe Phe Pro Pro Arg Leu Phe Glu Leu
385 390 395 400
Leu Glu Lys Glu Ile Leu Phe Tyr Arg Lys Thr Ile Gly Tyr Lys Val
 405 410 415
Pro Arg Asn Pro Glu Leu Pro Asn Ala Ala Gln Ala Gln Lys Glu Glu
 420 425 430
Gln Leu Lys Ile Asp Glu Ala Glu Ser Leu Asn Asp Glu Glu Leu Glu
 435 440 445
Glu Lys Glu Lys Leu Leu Thr Gln Gly Phe Thr Asn Trp Asn Lys Arg
 450 455 460
Asp Phe Asn Gln Phe Ile Lys Ala Asn Glu Lys Trp Gly Arg Asp Asp
465 470 475 480
Ile Glu Asn Ile Ala Arg Glu Val Glu Gly Lys Thr Pro Glu Glu Val
 485 490 495
Ile Glu Tyr Ser Ala Val Phe Trp Glu Arg Cys Asn Glu Leu Gln Asp
 500 505 510
Ile Glu Lys Ile Met Ala Gln Ile Glu Arg Gly Glu Ala Arg Ile Gln
 515 520 525
Arg Arg Ile Ser Ile Lys Lys Ala Leu Asp Thr Lys Ile Gly Arg Tyr
 530 535 540
Lys Ala Pro Phe His Gln Leu Arg Ile Ser Tyr Gly Thr Asn Lys Gly
545 550 555 560
Lys Asn Tyr Thr Glu Glu Glu Asp Arg Phe Leu Ile Cys Met Leu His
 565 570 575
Lys Leu Gly Phe Asp Lys Glu Asn Val Tyr Asp Glu Leu Arg Gln Cys

580 585 590
 Ile Arg Asn Ser Pro Gln Phe Arg Phe Asp Trp Phe Leu Lys Ser Arg
 595 600 605
 Thr Ala Met Glu Leu Gln Arg Arg Cys Asn Thr Leu Ile Thr Leu Ile
 610 615 620
 Glu Arg Glu Asn Met Glu Leu Glu Glu Lys Glu Lys Ala Glu Lys Lys
 625 630 635 640
 Lys Arg Gly Pro Lys Pro Ser Thr Gln Lys Arg Lys Met Asp Gly Ala
 645 650 655
 Pro Asp Gly Arg Gly Arg Lys Lys Lys Leu Lys Leu
 660 665

<210> 1678

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1678

Gly Arg Lys Arg Pro Leu Pro Xaa Lys Gly Trp Ser Arg Ala Gly Ala
 1 5 10 15
 Met Trp Ser Ala Gly Arg Gly Gly Ala Ala Trp Pro Val Leu Leu Gly
 20 25 30
 Leu Leu Leu Ala Leu Leu Val Pro Gly Gly Gly Ala Ala Lys Thr Gly
 35 40 45
 Ala Glu Leu Val Thr Cys Gly Ser Val Leu Lys Leu Leu Asn Thr His
 50 55 60
 His Arg Val Arg Leu His Ser His Asp Ile Lys Tyr Gly Ser Gly Ser
 65 70 75 80
 Gly Gln Gln Ser Val Thr Gly Val Glu Ala Ser Asp Asp Ala Asn Ser
 85 90 95
 Tyr Trp Arg Ile Arg Gly Gly Ser Glu Gly Gly Cys Pro Arg Gly Ser
 100 105 110

Pro Val Arg Cys Gly Gln Ala Val Arg Leu Thr His Val Leu Thr Gly
115 120 125

Lys Asn Leu His Thr His His Phe Pro Ser Pro Leu Ser Asn Asn Gln
130 135 140

Glu Val Ser Ala Phe Gly Glu Asp Gly Glu Gly Asp Asp Leu Asp Leu
145 150 155 160

Trp Thr Val Arg Cys Ser Gly Gln His Trp Glu Arg Glu Ala Ala Val
165 170 175

Arg Phe Gln His Val Gly Thr Ser Val Phe Leu Ser Val Thr Gly Glu
180 185 190

Gln Tyr Gly Ser Pro Ile Arg Gly Gln His Glu Val His Gly Met Pro
195 200 205

Ser Ala Asn Thr His Asn Thr Trp Lys Ala Met Glu Gly Ile Phe Ile
210 215 220

Lys Pro Ser Val Glu Pro Ser Ala Gly His Asp Glu Leu
225 230 235

<210> 1679

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1679

Glu His Tyr Ser Cys Phe Leu Phe Gln Asn Pro Thr Pro His Pro Ser
1 5 10 15

Cys Asp Ala Met Ser Thr Asn Ile Cys Ser Phe Lys Asp Arg Cys Val

20 25 30
Ser Ile Leu Cys Cys Lys Phe Cys Lys Gln Val Leu Ser Ser Arg Gly
35 40 45
Met Lys Ala Val Leu Leu Ala Asp Thr Glu Ile Asp Leu Phe Ser Thr
50 55 60
Asp Ile Pro Pro Thr Asn Ala Val Asp Phe Thr Gly Arg Cys Tyr Phe
65 70 75 80
Thr Lys Ile Cys Lys Cys Lys Leu Lys Asp Ile Ala Cys Leu Lys Cys
85 90 95
Gly Asn Ile Val Xaa Tyr His Val Ile Val Pro Cys Ser Ser Cys Leu
100 105 110
Leu Ser Cys Asn Asn Xaa His Phe Trp Met Phe His Ser Gln Ala Val
115 120 125
Tyr Asp Ile Asn Arg Leu Asp Ser Thr Gly Val Asn Val Leu Leu Xaa
130 135 140
Gly Asn Leu Pro Glu Ile Glu Glu Ser Thr Asp Glu Asp Val Leu Asn
145 150 155 160
Ile Ser Ala Glu Glu Cys Ile Arg
165

<210> 1680

<211> 519

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (321)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (332)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (333)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (337)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (511)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1680

Lys Thr Glu Arg Lys Gln Glu Gly Arg Ser Leu Leu Phe Glu Phe Val
1 5 10 15

Ala Arg Glu Ala Leu Gln Ser Gly Leu Ala Leu Gly Tyr Trp Leu Gly
20 25 30

Pro Met Leu Gly Thr Leu Arg Ala Met Glu Gly Glu Asp Val Glu Asp
35 40 45

Asp Gln Leu Leu Gln Lys Leu Arg Ala Ser Arg Arg Arg Phe Gln Arg
50 55 60

Arg Met Gln Arg Leu Ile Glu Lys Tyr Asn Gln Pro Phe Glu Asp Thr
65 70 75 80

Pro Val Val Gln Met Ala Thr Leu Thr Tyr Glu Thr Pro Gln Gly Leu
85 90 95

Arg Ile Trp Gly Gly Arg Leu Ile Lys Glu Arg Asn Lys Gly Glu Ile
100 105 110

Gln Asp Ser Ser Met Lys Pro Ala Asp Arg Thr Asp Gly Ser Val Gln
115 120 125

Ala Ala Ala Trp Gly Pro Glu Leu Pro Ser His Arg Thr Val Leu Gly
130 135 140

Ala Asp Ser Lys Ser Gly Glu Val Asp Ala Thr Ser Asp Gln Glu Glu
145 150 155 160

Ser Val Ala Trp Ala Leu Ala Pro Ala Val Pro Gln Ser Pro Leu Lys
165 170 175

Asn Glu Leu Arg Arg Lys Tyr Leu Thr Gln Val Asp Ile Leu Leu Gln
180 185 190

Gly Ala Glu Tyr Phe Glu Cys Ala Gly Asn Arg Ala Gly Arg Asp Val
195 200 205

Arg Val Thr Pro Leu Pro Ser Leu Ala Ser Pro Ala Val Pro Ala Pro

210	215	220
Gly Tyr Cys Ser Arg Ile Ser Gly Lys Ser Pro Gly Asp Pro Ala Lys		
225	230	235 240
Pro Ala Ser Ser Pro Arg Glu Trp Asp Pro Leu His Pro Ser Ser Thr		
	245	250 255
Asp Met Ala Leu Val Pro Arg Asn Asp Ser Leu Ser Leu Gln Glu Thr		
	260	265 270
Ser Ser Ser Ser Phe Leu Ser Ser Gln Pro Phe Glu Asp Asp Asp Ile		
	275	280 285
Cys Asn Val Thr Ile Ser Asp Leu Tyr Ala Gly Met Leu His Ser Met		
	290	295 300
Ser Arg Leu Leu Ser Thr Lys Pro Ser Ser Ile Ile Ser Thr Lys Thr		
305	310	315 320
Xaa Ile Met Gln Asn Trp Asn Ser Arg Arg Arg Xaa Xaa Tyr Lys Ser		
	325	330 335
Xaa Met Asn Lys Thr Tyr Cys Lys Gly Ala Arg Arg Ser Gln Arg Ser		
	340	345 350
Ser Lys Glu Asn Phe Ile Pro Cys Ser Glu Pro Val Lys Gly Thr Gly		
	355	360 365
Ala Leu Arg Asp Cys Lys Asn Val Leu Asp Val Ser Cys Arg Lys Thr		
	370	375 380
Gly Leu Lys Leu Glu Lys Ala Phe Leu Glu Val Asn Arg Pro Gln Ile		
385	390	395 400
His Lys Leu Asp Pro Ser Trp Lys Glu Arg Lys Val Thr Pro Ser Lys		
	405	410 415
Tyr Ser Ser Leu Ile Tyr Phe Asp Ser Ser Ala Thr Tyr Asn Leu Asp		
	420	425 430
Glu Glu Asn Arg Phe Arg Thr Leu Lys Trp Leu Ile Ser Pro Val Lys		
	435	440 445
Ile Val Ser Arg Pro Thr Ile Arg Gln Gly His Gly Glu Asn Arg Gln		
	450	455 460
Arg Glu Ile Glu Ile Arg Phe Asp Gln Leu His Arg Glu Tyr Cys Leu		
465	470	475 480
Ser Pro Arg Asn Gln Pro Arg Arg Met Cys Leu Pro Asp Ser Trp Ala		

Thr Glu Val Val Arg Lys Gly Ile Gln Glu Ala Gln Val Glu Leu Gln
 195 200 205
 Lys Ala Ser Glu Glu Arg Leu Leu Glu Glu Gly Val Leu Arg Gln Ile
 210 215 220
 Pro Val Val Gly Ser Val Leu Asn Trp Phe Ser Pro Val Gln Ala Leu
 225 230 235 240
 Gln Lys Gly Arg Thr Phe Asn Leu Thr Ala Gly Ser Leu Glu Ser Thr
 245 250 255
 Glu Pro Ile Tyr Val Tyr Lys Ala Gln Gly Ala Gly Val Thr Leu Pro
 260 265 270
 Pro Thr Pro Ser Gly Ser Arg Thr Lys Gln Arg Leu Pro Gly Gln Lys
 275 280 285
 Pro Phe Lys Arg Ser Leu Arg Gly Ser Asp Ala Leu Ser Glu Thr Ser
 290 295 300
 Ser Val Ser His Ile Glu Asp Leu Glu Lys Val Glu Arg Leu Ser Ser
 305 310 315 320
 Gly Pro Glu Gln Ile Thr Leu Glu Ala Ser Ser Thr Glu Gly His Pro
 325 330 335
 Gly Ala Pro Ser Pro Gln His Thr Asp Gln Thr Glu Ala Phe Gln Lys
 340 345 350
 Gly Val Pro His Pro Glu Asp Asp His Ser Gln Val Glu Gly Pro Glu
 355 360 365
 Ser Leu Arg
 370

<210> 1682

<211> 238

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (215)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1682

Ser Xaa Arg Gly Thr Ser Pro Ser Glu Phe Tyr Phe Met Phe Gln Gln
1 5 10 15

Val Arg Val Lys Pro Gln Asp Phe Ala Ala Ile Thr Ile Pro Arg Ser
20 25 30

Arg Gly Glu Ala Arg Val Gly Ala Gly Phe Arg Pro Met Leu Pro Ser
35 40 45

Gln Gly Ala Pro Gln Arg Pro Leu Ser Thr Phe Ser Pro Ala Pro Lys
50 55 60

Ala Thr Leu Ile Xaa Asn Ser Ile Gly Ser Leu Ser Lys Leu Arg Pro
65 70 75 80

Gln Pro Leu Thr Phe Ser Pro Ser Trp Gly Gly Pro Lys Ser Leu Pro
85 90 95

Val Pro Ala Pro Pro Gly Glu Met Gly Thr Thr Pro Ser Ala Pro Pro
100 105 110

Gln Arg Asn Arg Arg Lys Ser Val His Arg Val Leu Ala Glu Leu Asp
115 120 125

Asp Glu Ser Glu Pro Pro Glu Asn Pro Pro Pro Val Leu Met Glu Pro
130 135 140

Xaa Lys Lys Leu Arg Val Asp Lys Ala Pro Leu Thr Pro Thr Gly Asn
145 150 155 160

Arg Arg Gly Arg Pro Arg Lys Tyr Pro Val Ser Ala Pro Met Ala Pro
165 170 175

Pro Ala Val Gly Gly Gly Glu Pro Cys Ala Ala Pro Cys Cys Cys Leu
180 185 190

Pro Gln Glu Glu Thr Val Ala Trp Val Gln Cys Asp Gly Cys Asp Val
195 200 205

Trp Phe His Val Ala Cys Xaa Gly Cys Ser Ile Gln Ala Ala Arg Glu
210 215 220

Ala Asp Phe Xaa Cys Pro Gly Cys Arg Ala Gly Ile Gln Thr
225 230 235

<210> 1683
<211> 66
<212> PRT
<213> Homo sapiens

<400> 1683
Met Ile Ala Thr Glu Thr Gln Ser Ser Phe Phe Ala Arg Val Phe Trp
1 5 10 15

Gly Phe Cys Pro Lys Ile Tyr Pro Gly His Ser Ile Thr Ala Val Leu
20 25 30

Asp Val Tyr Pro Lys Leu Pro His His Pro Ser Thr His Ser Cys Thr
35 40 45

Phe Ile Tyr Leu Phe Cys Ser Ser Leu Gly Asp Arg Val Arg Leu Arg
50 55 60

Leu Gly
65

<210> 1684
<211> 119
<212> PRT
<213> Homo sapiens

<400> 1684
Trp Pro Leu Glu Phe Val Trp Pro Pro Pro Arg Glu Arg Glu Pro Gly
1 5 10 15

Asn Phe Ser Thr Glu Lys Gly Glu Ala Phe Gly Leu Cys Arg Val Arg
20 25 30

Val Ser Lys Cys Pro Ala Pro Ala Gly Met Glu Asp Pro Gln Ser Lys

35 40 45
Glu Pro Ala Gly Glu Ala Val Ala Leu Ala Leu Leu Glu Ser Pro Arg
50 55 60
Pro Glu Gly Gly Glu Glu Pro Pro Arg Pro Ser Pro Glu Glu Thr Gln
65 70 75 80
Gln Cys Lys Phe Asp Gly Gln Glu Thr Lys Gly Ser Lys Phe Ile Thr
85 90 95
Ser Ser Ala Ser Asp Phe Ser Asp Pro Val Tyr Lys Glu Ile Ala Ile
100 105 110
Thr Asn Gly Cys Ile Asn Arg
115

<210> 1685
<211> 91
<212> PRT
<213> Homo sapiens

<400> 1685
Ile Val Phe Leu Pro Glu Asp Ser Tyr Leu His Val Ser Gln Gly Leu
1 5 10 15
Gln Phe Phe Tyr Lys Phe Pro Tyr Pro Lys Phe Arg Ile His Val Lys
20 25 30
Tyr Phe Phe Gly Ala Lys Val Leu His Ser Trp Tyr Leu Leu Asp Trp
35 40 45
Lys Ser Val Ala Arg Cys Cys Leu Lys Leu Pro Tyr Cys Phe Phe Ile
50 55 60
Leu Tyr Leu Ala Leu Trp Leu Leu Asn Phe Leu Phe Leu Phe Glu Val
65 70 75 80
Ser Phe Lys Phe Ala Pro Met Leu Asn Tyr Leu
85 90

<210> 1686
<211> 141
<212> PRT
<213> Homo sapiens

<400> 1686

Glu Ala Val Ala Glu Val Ser Ser Leu Phe Pro Arg Leu Phe Gln Ile
 1 5 10 15
 Phe Val Ile Ala Val Val Ser Leu Val Ile Leu Pro Arg Ile Val Ile
 20 25 30
 Phe Arg Arg Met Ala Cys Tyr Asn Cys Gly Arg Gly Gly His Ile Ala
 35 40 45
 Lys Asp Cys Lys Glu Pro Lys Arg Glu Arg Glu Gln Cys Cys Tyr Asn
 50 55 60
 Cys Gly Lys Pro Gly His Leu Ala Arg Asp Cys Asp His Ala Asp Glu
 65 70 75 80
 Gln Lys Cys Tyr Ser Cys Gly Glu Phe Gly His Ile Gln Lys Asp Cys
 85 90 95
 Thr Lys Val Lys Cys Tyr Arg Cys Gly Glu Thr Gly His Val Ala Ile
 100 105 110
 Asn Cys Ser Lys Thr Ser Glu Val Asn Cys Tyr Arg Cys Gly Glu Ser
 115 120 125
 Gly His Leu Ala Arg Glu Cys Thr Ile Glu Ala Thr Ala
 130 135 140

<210> 1687

<211> 83

<212> PRT

<213> Homo sapiens

<400> 1687

Phe Trp Ile Pro Trp Trp Arg Lys Ile Lys His Ser Gly Leu Ala Ala
 1 5 10 15
 Asn Asp Ala Ser Val Thr Ala Gly Val Phe Met Ser Ser Arg Gly His
 20 25 30
 Ser Thr Leu Pro Arg Thr Leu Met Ala Pro Arg Met Ile Ser Glu Gly
 35 40 45
 Asp Ile Gly Gly Ile Ala Gln Ile Thr Ser Ser Leu Phe Leu Gly Arg
 50 55 60
 Gly Ser Val Ala Ser Asn Arg His Leu Leu Gln Ala Arg Gly His His
 65 70 75 80
 Leu His Cys

<210> 1688

<211> 153

<212> PRT

<213> Homo sapiens

<400> 1688

Arg Arg His Pro Ala Val Val Ala Glu Val Ser Pro Ala Tyr Phe Leu
1 5 10 15

Phe Pro Ser Glu Arg Ala Ala Ala Leu Ala Ala Cys Ala Ala Met Ala
20 25 30

Lys Ile Lys Ala Arg Asp Leu Arg Gly Lys Lys Lys Glu Glu Leu Leu
35 40 45

Lys Gln Leu Asp Asp Leu Lys Val Glu Leu Ser Gln Leu Arg Val Ala
50 55 60

Lys Val Thr Gly Gly Ala Ala Ser Lys Leu Ser Lys Ile Arg Val Val
65 70 75 80

Arg Lys Ser Ile Ala Arg Val Leu Thr Val Ile Asn Gln Thr Gln Lys
85 90 95

Glu Asn Leu Arg Lys Phe Tyr Lys Gly Lys Lys Tyr Lys Pro Leu Asp
100 105 110

Leu Arg Pro Lys Lys Thr Arg Ala Met Arg Arg Arg Leu Asn Lys His
115 120 125

Glu Glu Asn Leu Lys Thr Lys Lys Gln Gln Arg Lys Glu Arg Leu Tyr
130 135 140

Pro Leu Arg Lys Tyr Ala Val Lys Ala
145 150

<210> 1689

<211> 130

<212> PRT

<213> Homo sapiens

<400> 1689

Gly Gly Gly Asp Ala Glu Met Gly Ala Ala Ala Ala Glu Ala Asp Arg
1 5 10 15

Thr Leu Phe Val Gly Asn Leu Glu Thr Lys Val Thr Glu Glu Leu Leu
 20 25 30
 Phe Glu Leu Phe His Gln Ala Gly Pro Val Ile Lys Val Lys Ile Pro
 35 40 45
 Lys Asp Lys Asp Gly Lys Pro Lys Gln Phe Ala Phe Val Asn Phe Lys
 50 55 60
 His Glu Val Ser Val Pro Tyr Ala Met Asn Leu Leu Asn Gly Ile Lys
 65 70 75 80
 Leu Tyr Gly Arg Pro Ile Lys Ile Gln Phe Arg Ser Gly Ser Ser His
 85 90 95
 Ala Pro Gln Asp Val Ser Leu Ser Tyr Pro Gln His His Val Gly Asn
 100 105 110
 Ser Ser Pro Thr Ser Thr Ser Pro Ser Ala Gly Thr Lys Gly Leu Trp
 115 120 125
 Ile Thr
 130

<210> 1690

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1690

Arg Pro Ser Leu Glu Val Leu Phe Thr Val Ile Leu Thr Lys Ile Thr
 1 5 10 15
 Tyr Cys Pro Pro Glu Tyr Gln Val Leu Gly Asp Thr Ser Ser Ser Cys
 20 25 30
 Cys Leu Gln Ser Ser Tyr Gln Glu Ala Arg Cys Thr Gly Phe Leu Trp
 35 40 45
 Phe Leu Gln Glu Pro Pro Thr Leu Ser Val Phe Trp Pro Arg Ser Gly
 50 55 60
 Val Asn Pro Leu Val Ser Ala Phe Glu Leu Asp Thr Cys Ala Phe Ser
 65 70 75 80

Ser Val Asn Thr Ala Leu Phe Gly Gly Val Ser Ser Ser Pro Gln Pro
85 90 95

Glu Leu Leu Asn Ser Lys Pro Lys Leu Val Ser Ala Glu Xaa Arg Phe
100 105 110

Gln Asp Ser Pro Val Ser Ile Cys Gly Asp Leu Gln Ile Arg Gln Ser
115 120 125

Ser Phe Pro Ala Ser Gly Val Leu Ala Pro Glu Pro Ser Leu Arg Leu
130 135 140

Val Leu Leu Asp Val Leu Ile Ser Asp His Tyr Pro Pro Tyr Ala Ser
145 150 155 160

His Arg Pro Arg Glu Asn Arg His Gln Asn Leu Gly
165 170

<210> 1691
<211> 272
<212> PRT
<213> Homo sapiens

<400> 1691
Asn Ser Arg Val His Pro Arg Arg Pro Val Thr Ala Glu Lys Met Ala
1 5 10 15

Val Leu Ala Pro Leu Ile Ala Leu Val Tyr Ser Val Pro Arg Leu Ser
20 25 30

Arg Trp Leu Ala Gln Pro Tyr Tyr Leu Leu Ser Ala Leu Leu Ser Ala
35 40 45

Ala Phe Leu Leu Val Arg Lys Leu Pro Pro Leu Cys His Gly Leu Pro
50 55 60

Thr Gln Arg Glu Asp Gly Asn Pro Cys Asp Phe Asp Trp Arg Glu Val
65 70 75 80

Glu Ile Leu Met Phe Leu Ser Ala Ile Val Met Met Lys Asn Arg Arg
85 90 95

Ser Met Phe Leu Met Thr Cys Lys Pro Pro Leu Tyr Met Gly Pro Glu
100 105 110

Tyr Ile Lys Tyr Phe Asn Asp Lys Thr Ile Asp Glu Glu Leu Glu Arg
115 120 125

Asp Lys Arg Val Thr Trp Ile Val Glu Phe Phe Ala Asn Trp Ser Asn
130 135 140

Asp Cys Gln Ser Phe Ala Pro Ile Tyr Ala Asp Leu Ser Leu Lys Tyr
145 150 155 160

Asn Cys Thr Gly Leu Asn Phe Gly Lys Val Asp Val Gly Arg Tyr Thr
165 170 175

Asp Val Ser Thr Arg Tyr Lys Val Ser Thr Ser Pro Leu Thr Lys Gln
180 185 190

Leu Pro Thr Leu Ile Leu Phe Gln Gly Gly Lys Glu Ala Met Arg Arg
195 200 205

Pro Gln Ile Asp Lys Lys Gly Arg Ala Val Ser Trp Thr Phe Ser Glu
210 215 220

Glu Asn Val Ile Arg Glu Phe Asn Leu Asn Glu Leu Tyr Gln Arg Ala
225 230 235 240

Lys Lys Leu Ser Lys Ala Gly Asp Asn Ile Pro Glu Glu Gln Pro Val
245 250 255

Ala Ser Thr Pro Thr Thr Val Ser Asp Gly Glu Asn Lys Lys Asp Lys
260 265 270

<210> 1692

<211> 366

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1692

Gly Lys Arg Thr Gly Arg Ala Xaa Ala Ser Ser Gly Arg Arg Gly Glu
1 5 10 15

Gly Gly Trp Trp Arg Leu Pro Arg Ser Pro Ser Leu Pro Ala Val Pro
20 25 30

Thr Pro Gly Thr Met Phe Pro Ala Gly Pro Pro Ser His Ser Leu Leu
35 40 45

Arg Leu Pro Leu Leu Gln Leu Leu Leu Val Val Gln Ala Val Gly
 50 55 60

Arg Gly Leu Gly Arg Ala Ser Pro Ala Gly Gly Pro Leu Glu Asp Val
 65 70 75 80

Val Ile Glu Arg Tyr His Ile Pro Arg Ala Cys Pro Arg Glu Val Gln
 85 90 95

Met Gly Asp Phe Val Arg Tyr His Tyr Asn Gly Thr Phe Glu Asp Gly
 100 105 110

Lys Lys Phe Asp Ser Ser Tyr Asp Arg Asn Thr Leu Val Ala Ile Val
 115 120 125

Val Gly Val Gly Arg Leu Ile Thr Gly Met Asp Arg Gly Leu Met Gly
 130 135 140

Met Cys Val Asn Glu Arg Arg Arg Leu Ile Val Pro Pro His Leu Gly
 145 150 155 160

Tyr Gly Ser Ile Gly Leu Ala Gly Leu Ile Pro Pro Asp Ala Thr Leu
 165 170 175

Tyr Phe Asp Val Val Leu Leu Asp Val Trp Asn Lys Glu Asp Thr Val
 180 185 190

Gln Val Ser Thr Leu Leu Arg Pro Pro His Cys Pro Arg Met Val Gln
 195 200 205

Asp Gly Asp Phe Val Arg Tyr His Tyr Asn Gly Thr Leu Leu Asp Gly
 210 215 220

Thr Ser Phe Asp Thr Ser Tyr Ser Lys Gly Gly Thr Tyr Asp Thr Tyr
 225 230 235 240

Val Gly Ser Gly Trp Leu Ile Lys Gly Met Asp Gln Gly Leu Leu Gly
 245 250 255

Met Cys Pro Gly Glu Arg Arg Lys Ile Ile Ile Pro Pro Phe Leu Ala
 260 265 270

Tyr Gly Glu Lys Gly Tyr Gly Glu Gly Gly Gln Gly His Lys Gly Lys
 275 280 285

Phe Arg Arg Arg Gly Lys Asn Gln Ala Ser Thr Tyr Ser Cys Ser Gly
 290 295 300

Cys Ile Leu His Glu Gly Ile Gln Pro Arg Thr Gln Gly Gly Met Lys
 305 310 315 320

Ser Thr Leu Gly Ala Thr Lys Lys Gly Cys Phe Gly Arg Ala Trp Trp
 325 330 335

Leu Thr Leu Val Ile Pro Ala Leu Trp Glu Ala Lys Ala Gly Gly Ser
 340 345 350

Arg Gly Gln Glu Ile Glu Thr Thr Val Lys Pro Arg Leu Tyr
 355 360 365

<210> 1693

<211> 361

<212> PRT

<213> Homo sapiens

<400> 1693

Leu Pro Gln Ser Arg Trp Asn Lys Ser Ser Thr Pro Asp Gly Val Pro
 1 5 10 15

Thr Leu Cys Cys Arg Asn Glu Ala Arg Gln Gln Ile Ser Ile Ser Arg
 20 25 30

Met Trp Gly Leu Lys Val Leu Leu Leu Pro Val Val Ser Phe Ala Leu
 35 40 45

Tyr Pro Glu Glu Ile Leu Asp Thr His Trp Glu Leu Trp Lys Lys Thr
 50 55 60

His Arg Lys Gln Tyr Asn Asn Lys Val Asp Glu Ile Ser Arg Arg Leu
 65 70 75 80

Ile Trp Glu Lys Asn Leu Lys Tyr Ile Ser Ile His Asn Leu Glu Ala
 85 90 95

Ser Leu Gly Val His Thr Tyr Glu Leu Ala Met Asn His Leu Gly Asp
 100 105 110

Met Thr Ser Glu Glu Val Val Gln Lys Met Thr Gly Leu Lys Val Pro
 115 120 125

Leu Ser His Ser Arg Ser Asn Asp Thr Leu Tyr Ile Pro Glu Trp Glu
 130 135 140

Gly Arg Ala Pro Asp Ser Val Asp Tyr Arg Lys Lys Gly Tyr Val Thr
 145 150 155 160

Pro Val Lys Asn Gln Gly Gln Cys Gly Ser Cys Trp Ala Phe Ser Ser
 165 170 175

Val Gly Ala Leu Glu Gly Gln Leu Lys Lys Lys Thr Gly Lys Leu Leu
 180 185 190
 Asn Leu Ser Pro Gln Asn Leu Val Asp Cys Val Ser Glu Asn Asp Gly
 195 200 205
 Cys Gly Gly Gly Tyr Met Thr Asn Ala Phe Gln Tyr Val Gln Lys Asn
 210 215 220
 Arg Gly Ile Asp Ser Glu Asp Ala Tyr Pro Tyr Val Gly Gln Glu Glu
 225 230 235 240
 Ser Cys Met Tyr Asn Pro Thr Gly Lys Ala Ala Lys Cys Arg Gly Tyr
 245 250 255
 Arg Glu Ile Pro Glu Gly Asn Glu Lys Ala Leu Lys Arg Ala Val Ala
 260 265 270
 Arg Val Gly Pro Val Ser Val Ala Ile Asp Ala Ser Leu Thr Ser Phe
 275 280 285
 Gln Phe Tyr Ser Lys Gly Val Tyr Tyr Asp Glu Ser Cys Asn Ser Asp
 290 295 300
 Asn Leu Asn His Ala Val Leu Ala Val Gly Tyr Gly Ile Gln Lys Gly
 305 310 315 320
 Asn Lys His Trp Ile Ile Lys Asn Ser Trp Gly Glu Asn Trp Gly Asn
 325 330 335
 Lys Gly Tyr Ile Leu Met Ala Arg Asn Lys Asn Asn Ala Cys Gly Ile
 340 345 350
 Ala Asn Leu Ala Ser Phe Pro Lys Met
 355 360

<210> 1694

<211> 282

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1694

Pro Arg Val Arg Arg Gly Pro Arg Val Ser Ser Met Ala Ser Ala Asp
 1 5 10 15

Ser Arg Arg Xaa Ala Asp Gly Gly Gly Ala Gly Gly Thr Phe Gln Pro
20 25 30

Tyr Leu Asp Thr Leu Arg Gln Glu Leu Gln Gln Thr Asp Pro Thr Leu
35 40 45

Leu Ser Val Val Val Ala Val Leu Ala Val Leu Leu Thr Leu Val Phe
50 55 60

Trp Lys Leu Ile Arg Ser Arg Arg Ser Ser Gln Arg Ala Val Leu Leu
65 70 75 80

Val Gly Leu Cys Asp Ser Gly Lys Thr Leu Leu Phe Val Arg Leu Leu
85 90 95

Thr Gly Leu Tyr Arg Asp Thr Gln Thr Ser Ile Thr Asp Ser Cys Ala
100 105 110

Val Tyr Arg Val Asn Asn Asn Arg Gly Asn Ser Leu Thr Leu Ile Asp
115 120 125

Leu Pro Gly His Glu Ser Leu Arg Leu Gln Phe Leu Glu Arg Phe Lys
130 135 140

Ser Ser Ala Arg Ala Ile Val Phe Val Val Asp Ser Ala Ala Phe Gln
145 150 155 160

Arg Glu Val Lys Asp Val Ala Glu Phe Leu Tyr Gln Val Leu Ile Asp
165 170 175

Ser Met Gly Leu Lys Asn Thr Pro Ser Phe Leu Ile Ala Cys Asn Lys
180 185 190

Gln Asp Ile Ala Met Ala Lys Ser Ala Lys Leu Ile Gln Gln Gln Leu
195 200 205

Glu Lys Glu Leu Asn Thr Leu Arg Val Thr Arg Ser Ala Ala Pro Ser
210 215 220

Thr Leu Asp Ser Ser Ser Thr Ala Pro Ala Gln Leu Gly Lys Lys Gly
225 230 235 240

Lys Glu Phe Glu Phe Ser Gln Leu Pro Leu Lys Val Glu Phe Leu Glu
245 250 255

Cys Ser Ala Lys Gly Gly Arg Gly Asp Val Gly Ser Ala Asp Ile Gln
260 265 270

Asp Leu Glu Lys Trp Leu Ala Lys Ile Ala
275 280

<210> 1695

<211> 232

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1695

Gly	Val	Asp	Thr	Ser	Pro	Phe	Ala	Lys	Ser	Leu	Gly	His	Ser	Arg	Gly
1				5					10					15	

Glu	Ala	Asp	Leu	Phe	Asp	Ser	Gly	Asp	Ile	Phe	Ser	Thr	Gly	Thr	Gly
		20						25					30		

Ser	Gln	Ser	Val	Glu	Arg	Thr	Lys	Pro	Lys	Ala	Lys	Ile	Ala	Glu	Asn
		35					40					45			

Pro	Ala	Asn	Pro	Pro	Val	Gly	Gly	Lys	Ala	Lys	Ser	Pro	Met	Phe	Pro
	50					55					60				

Ala	Leu	Gly	Glu	Ala	Ser	Ser	Asp	Asp	Asp	Leu	Phe	Gln	Ser	Ala	Lys
65					70					75					80

Pro	Lys	Pro	Ala	Lys	Lys	Thr	Asn	Pro	Phe	Pro	Leu	Leu	Glu	Asp	Glu
				85					90					95	

Asp	Asp	Leu	Phe	Thr	Asp	Gln	Lys	Val	Lys	Lys	Asn	Glu	Thr	Lys	Ser
		100						105					110		

Xaa	Ser	Gln	Gln	Asp	Val	Ile	Leu	Thr	Thr	Gln	Asp	Ile	Phe	Glu	Asp
	115						120					125			

Asp	Ile	Phe	Ala	Thr	Glu	Ala	Ile	Lys	Pro	Ser	Gln	Lys	Thr	Arg	Glu
	130					135					140				

Lys	Glu	Lys	Thr	Leu	Glu	Ser	Asn	Leu	Phe	Asp	Asp	Asn	Ile	Asp	Ile
145					150					155				160	

Phe	Ala	Asp	Leu	Thr	Val	Lys	Pro	Lys	Glu	Lys	Ser	Lys	Lys	Lys	Val
			165						170					175	

Glu	Ala	Lys	Ser	Ile	Phe	Asp	Asp	Asp	Met	Asp	Asp	Ile	Phe	Ser	Ser
		180						185					190		

Gly	Ile	Gln	Ala	Lys	Thr	Thr	Lys	Pro	Lys	Ser	Arg	Ser	Ala	Gln	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

195 200 205
Ala Pro Glu Pro Arg Phe Glu His Lys Val Ser Asn Ile Phe Asp Asp
210 215 220
Pro Leu Asn Ala Phe Gly Gly Gln
225 230

<210> 1696
<211> 123
<212> PRT
<213> Homo sapiens

<400> 1696
Arg Gly Gly Ser Pro Glu Val Ser Gly Asn Gly Ala Ala Leu Phe Glu
1 5 10 15
Met Phe Ser Tyr Leu Ile Leu Cys Pro Ser Arg Gly Ser Ser Leu Ile
20 25 30
Cys Leu Ala Trp Pro Cys Val Pro Pro Val Pro Cys Ser Thr Ala Tyr
35 40 45
Leu Val Pro Gln Val Leu Leu Ala Thr Pro Ala Val Thr Leu Asn Ser
50 55 60
Phe Asn Ser Ala Leu Asn Ala Pro Ala Ser Glu Ala Cys Pro Ile Ser
65 70 75 80
Phe Phe Leu Ala Ser Val Phe Phe Phe Ser Phe Phe Phe Pro Cys Phe
85 90 95
Cys Arg Arg Leu Arg Gly Glu Ser Phe Leu Trp Leu Pro Leu Leu Arg
100 105 110
Leu Glu Leu Glu Glu Asn Leu Ile Phe Cys Ile
115 120

<210> 1697
<211> 272
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (256)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (262)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (267)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1697

Pro	Ala	Pro	Ala	Ala	His	Val	Ala	Gly	Asn	Pro	Gly	Gly	Asp	Ala	Ala
1				5					10					15	

Pro	Ala	Ala	Thr	Gly	Thr	Ala	Ala	Ala	Ala	Ser	Leu	Ala	Thr	Ala	Ala
			20				25						30		

Gly	Ser	Glu	Asp	Ala	Glu	Lys	Lys	Val	Leu	Ala	Thr	Lys	Val	Leu	Gly
		35					40						45		

Thr	Val	Lys	Trp	Phe	Asn	Val	Arg	Asn	Gly	Tyr	Gly	Phe	Ile	Asn	Arg
	50					55					60				

Asn	Asp	Thr	Lys	Glu	Asp	Val	Phe	Val	His	Gln	Thr	Ala	Ile	Lys	Lys
65					70					75					80

Asn	Asn	Pro	Arg	Lys	Tyr	Leu	Arg	Ser	Val	Gly	Asp	Gly	Glu	Thr	Val
				85					90					95	

Glu	Phe	Asp	Val	Val	Glu	Gly	Glu	Lys	Gly	Ala	Glu	Ala	Ala	Asn	Val
			100					105					110		

Thr	Gly	Pro	Asp	Gly	Val	Pro	Val	Glu	Gly	Ser	Arg	Tyr	Ala	Ala	Asp
		115					120					125			

Arg	Arg	Arg	Tyr	Arg	Arg	Gly	Tyr	Tyr	Gly	Arg	Arg	Arg	Gly	Pro	Pro
		130				135					140				

Arg	Asn	Ala	Gly	Glu	Ile	Gly	Glu	Met	Lys	Asp	Gly	Val	Pro	Glu	Gly
145					150					155					160

Ala Gln Leu Gln Gly Pro Val His Arg Asn Pro Thr Tyr Arg Pro Arg
 165 170 175

Tyr Arg Ser Arg Gly Pro Pro Arg Pro Arg Pro Ala Pro Ala Val Gly
 180 185 190

Glu Ala Glu Asp Lys Glu Asn Gln Gln Ala Thr Ser Gly Pro Asn Gln
 195 200 205

Pro Ser Val Arg Arg Gly Tyr Arg Arg Pro Tyr Asn Tyr Arg Arg Arg
 210 215 220

Pro Arg Pro Pro Asn Ala Pro Ser Gln Asp Gly Lys Glu Ala Lys Ala
 225 230 235 240

Gly Glu Ala Pro Thr Glu Asn Pro Ala Pro Pro Thr Ser Arg Ala Xaa
 245 250 255

Leu Xaa Asn Thr Arg Xaa Xaa Arg His Leu Xaa His Arg Gln Val Thr
 260 265 270

<210> 1698

<211> 88

<212> PRT

<213> Homo sapiens

<400> 1698

Arg Glu Thr Ala Cys Cys Gly Arg Asp Ala Arg Gly Ala Ala Pro Ala
 1 5 10 15

Ala Met Ala Val Thr Ala Leu Ala Ala Arg Thr Trp Leu Gly Val Trp
 20 25 30

Gly Val Arg Thr Met Gln Ala Arg Gly Phe Gly Ser Asp Gln Ser Glu
 35 40 45

Asn Val Asp Arg Gly Ala Gly Ser Ile Arg Glu Ala Gly Gly Ala Phe
 50 55 60

Gly Lys Arg Glu Gln Ala Glu Glu Glu Arg Tyr Phe Arg His Tyr Arg
 65 70 75 80

Leu Cys Phe Glu Ile Ser Leu Gly
 85

<210> 1699

<211> 223

<212> PRT

<213> Homo sapiens

<400> 1699

Cys Cys Ser Glu Gln Gln Arg Ile Ser Lys Asp Leu Ala Asn Ile Cys
1 5 10 15

Lys Thr Ala Ala Thr Ala Gly Ile Ile Gly Trp Val Tyr Gly Gly Ile
20 25 30

Pro Ala Phe Ile His Ala Lys Gln Gln Tyr Ile Glu Gln Ser Gln Ala
35 40 45

Glu Ile Tyr His Asn Arg Phe Asp Ala Val Gln Ser Ala His Arg Ala
50 55 60

Ala Thr Arg Gly Phe Ile Arg Tyr Gly Trp Arg Trp Gly Trp Arg Thr
65 70 75 80

Ala Val Phe Val Thr Ile Phe Asn Thr Val Asn Thr Ser Leu Asn Val
85 90 95

Tyr Arg Asn Lys Asp Ala Leu Ser His Phe Val Ile Ala Gly Ala Val
100 105 110

Thr Gly Ser Leu Phe Arg Ile Asn Val Gly Leu Arg Gly Leu Val Ala
115 120 125

Gly Gly Ile Ile Gly Ala Leu Leu Gly Thr Pro Val Gly Gly Leu Leu
130 135 140

Met Ala Phe Gln Lys Tyr Ser Gly Glu Thr Val Gln Glu Arg Lys Gln
145 150 155 160

Lys Asp Arg Lys Ala Leu His Glu Leu Lys Leu Glu Glu Trp Lys Gly
165 170 175

Arg Leu Gln Val Thr Glu His Leu Pro Glu Lys Ile Glu Ser Ser Leu
180 185 190

Gln Glu Asp Glu Pro Glu Asn Asp Ala Lys Lys Ile Glu Ala Leu Leu
195 200 205

Asn Leu Pro Arg Asn Pro Ser Val Ile Asp Lys Gln Asp Lys Asp
210 215 220

<210> 1700

<211> 543

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (269)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (279)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1700

Ala Arg Ala Arg Leu Thr Cys Pro Arg Arg Arg Gly Pro Trp Glu Ala
1 5 10 15

Gly Ser Arg Ala Thr Val Ser Leu Thr Arg Leu Ala Leu Gly Val Pro
20 25 30

Gly Pro Arg Glu His Pro Gly Gln Pro Glu Asp Ser Pro Glu Ala Glu
35 40 45

Ala Ser Thr Leu Asp Val Phe Thr Glu Arg Leu Pro Pro Ser Gly Arg
50 55 60

Ile Thr Lys Thr Glu Ser Leu Val Ile Pro Ser Thr Arg Ser Glu Gly
65 70 75 80

Lys Gln Ala Gly Arg Arg Gly Arg Ser Thr Ser Leu Lys Glu Arg Gln
85 90 95

Ala Ala Arg Pro Gln Asn Glu Arg Ala Asn Ser Leu Asp Asn Glu Arg
100 105 110

Cys Pro Asp Ala Arg Ser Gln Leu Gln Ile Pro Arg Lys Thr Val Tyr
115 120 125

Asp Gln Leu Asn His Ile Leu Ile Ser Asp Asp Gln Leu Pro Glu Asn
130 135 140

Ile Ile Leu Val Asn Thr Ser Asp Trp Gln Gly Gln Phe Leu Ser Asp
145 150 155 160

Val Leu Gln Arg His Thr Leu Pro Val Val Cys Thr Cys Ser Pro Ala
165 170 175

Asp Val Gln Ala Ala Phe Ser Thr Ile Val Ser Arg Ile Gln Arg Tyr
180 185 190

Cys Asn Cys Asn Ser Gln Pro Pro Thr Pro Val Lys Ile Ala Val Ala
195 200 205

Gly Ala Gln His Tyr Leu Ser Ala Ile Leu Arg Leu Phe Val Glu Gln
210 215 220

Leu Ser His Lys Thr Pro Asp Trp Leu Gly Tyr Met Arg Phe Leu Val
225 230 235 240

Ile Pro Leu Gly Ser His Pro Val Ala Arg Tyr Leu Gly Ser Val Asp
245 250 255

Tyr Arg Tyr Asn Asn Phe Phe Xaa Asp Leu Ala Trp Xaa Asp Leu Phe
260 265 270

Asn Lys Leu Glu Ala Gln Xaa Ala Val Gln Asp Thr Pro Asp Ile Val
275 280 285

Ser Arg Ile Thr Gln Tyr Ile Ala Gly Ala Asn Cys Ala His Gln Leu
290 295 300

Pro Ile Ala Glu Ala Met Leu Thr Tyr Lys Gln Lys Ser Pro Asp Glu
305 310 315 320

Glu Ser Ser Gln Lys Phe Ile Pro Phe Val Gly Val Val Lys Val Gly
325 330 335

Ile Val Glu Pro Ser Ser Ala Thr Ser Gly Asp Ser Asp Asp Ala Ala
340 345 350

Pro Ser Gly Ser Gly Thr Leu Ser Ser Thr Pro Pro Ser Ala Ser Pro
355 360 365

Ala Ala Lys Glu Ala Ser Pro Thr Pro Pro Ser Ser Pro Ser Val Ser
370 375 380

Gly Gly Leu Ser Ser Pro Ser Gln Gly Val Gly Ala Glu Leu Met Gly
385 390 395 400

Leu Gln Val Asp Tyr Trp Thr Ala Ala Gln Pro Ala Asp Arg Lys Arg
405 410 415

Asp Ala Glu Lys Lys Asp Leu Pro Val Thr Lys Asn Thr Leu Lys Cys
420 425 430

Thr Phe Arg Ser Leu Gln Val Ser Arg Leu Pro Ser Ser Gly Glu Ala
435 440 445

Ala Ala Thr Pro Thr Met Ser Met Thr Val Val Thr Lys Glu Lys Asn
450 455 460

Lys Lys Val Met Phe Leu Pro Lys Lys Ala Lys Asp Lys Asp Val Glu
465 470 475 480

Ser Lys Ser Gln Cys Ile Glu Gly Ile Ser Arg Leu Ile Cys Thr Ala
485 490 495

Arg Gln Gln Gln Asn Met Leu Arg Val Leu Ile Asp Gly Val Glu Cys
500 505 510

Ser Asp Val Lys Phe Phe Gln Leu Ala Ala Gln Trp Ser Ser His Val
515 520 525

Lys His Phe Pro Ile Cys Ile Phe Gly His Ser Lys Ala Thr Phe
530 535 540

<210> 1701

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1701

Ile Pro Ser Tyr Thr Ile Lys Cys Ser Ile Gly Arg Gln Ser Val Ser
1 5 10 15

Phe Phe Phe Tyr Val Tyr Cys Leu Cys Gly Val Lys Tyr Lys Ala Leu
20 25 30

Gly Cys Ile Thr Tyr Ser Lys Ala Val Thr Leu Ser Leu Ile Cys Cys
35 40 45

Asp Pro Leu Lys Met Cys Trp Gly Leu Phe Cys Cys His Cys Leu Cys
50 55 60

Cys Trp Asn Leu Ala Leu Ser
65 70

<210> 1702

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1702

Glu His Val Phe Gly Phe Leu Phe Cys Val Ser Leu Leu Arg Ile Met
 1 5 10 15

Ala Ser Ser Ser Asp Gly Ile Ser Leu Ser Tyr Arg Pro Val Val Thr
 20 25 30

Gly Gln Asp Arg Met Met Asp Thr Glu Val Leu Ser Leu Leu Ser Ser
 35 40 45

Val Ala Leu Pro Ser Leu Leu Leu Ala Ser Glu Ser Phe Asp Ser Ile
 50 55 60

Tyr Pro Gly Ile Phe Cys Val Leu Met Phe Ser Ser Gly Leu Xaa Ser
 65 70 75 80

Ala Val Leu Ile Gly Arg Ala Leu Ser Phe Gln Ala Ile Leu Lys Gly
 85 90 95

Gly Gln Ser Lys Gly Gln Ser Leu Asn Pro Phe Cys Gly Leu Asn Asn
 100 105 110

Leu Arg Ile Lys Ser Ser Val Leu Leu Ile Pro Val Leu Leu Cys Gln
 115 120 125

Thr Leu Ser
 130

<210> 1703

<211> 330

<212> PRT

<213> Homo sapiens

<400> 1703

His Gly Asn Pro Asp Arg Arg Pro Arg Gly Glu Glu Glu Gly Asp Pro
 1 5 10 15

Val Gly Pro Ala Thr Leu Ser Ala Arg Leu Gly Ala Ser Ala Gly Ala
 20 25 30

Met Thr Ser Leu Thr Gln Arg Ser Ser Gly Leu Val Gln Arg Arg Thr
 35 40 45

Glu Ala Ser Arg Asn Ala Ala Asp Lys Glu Arg Ala Ala Gly Gly Gly
50 55 60

Ala Gly Ser Ser Glu Asp Asp Ala Gln Ser Arg Arg Asp Glu Gln Asp
65 70 75 80

Asp Asp Asp Lys Gly Asp Ser Lys Glu Thr Arg Leu Thr Leu Met Glu
85 90 95

Glu Val Leu Leu Leu Gly Leu Lys Asp Arg Glu Gly Tyr Thr Ser Phe
100 105 110

Trp Asn Asp Cys Ile Ser Ser Gly Leu Arg Gly Cys Met Leu Ile Glu
115 120 125

Leu Ala Leu Arg Gly Arg Leu Gln Leu Glu Ala Cys Gly Met Arg Arg
130 135 140

Lys Ser Leu Leu Thr Arg Lys Val Ile Cys Lys Ser Asp Ala Pro Thr
145 150 155 160

Gly Asp Val Leu Leu Asp Glu Ala Leu Lys His Val Lys Glu Thr Gln
165 170 175

Pro Pro Glu Thr Val Gln Asn Trp Ile Glu Leu Leu Ser Gly Glu Thr
180 185 190

Trp Asn Pro Leu Lys Leu His Tyr Gln Leu Arg Asn Val Arg Glu Arg
195 200 205

Leu Ala Lys Asn Leu Val Glu Lys Gly Val Leu Thr Thr Glu Lys Gln
210 215 220

Asn Phe Leu Leu Phe Asp Met Thr Thr His Pro Leu Thr Asn Asn Asn
225 230 235 240

Ile Lys Gln Arg Leu Ile Lys Lys Val Gln Glu Ala Val Leu Asp Lys
245 250 255

Trp Val Asn Asp Pro His Arg Met Asp Arg Arg Leu Leu Ala Leu Ile
260 265 270

Tyr Leu Ala His Ala Ser Asp Val Leu Glu Asn Ala Phe Ala Pro Leu
275 280 285

Leu Asp Glu Gln Tyr Asp Leu Ala Thr Lys Arg Val Arg Gln Leu Leu
290 295 300

Asp Leu Asp Pro Glu Val Glu Cys Leu Lys Ala Asn Thr Asn Glu Val
305 310 315 320

Leu Trp Ala Val Val Ala Ala Phe Thr Lys
325 330

<210> 1704

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1704

Val Phe Ile Ser Ile Val Ser Leu Arg His Gly Lys Gly Arg Met Leu
1 5 10 15

Lys Gln Val Met Phe Val Phe Ser Gly Met Gly Pro Arg Ser His Cys
20 25 30

Trp Gly Leu Pro Leu His Val Ala Pro Leu Cys Arg Pro Pro Gly Arg
35 40 45

Leu Phe Pro Pro Ser Pro Thr Glu Ala Pro Arg Gly Leu Asn Arg Asn
50 55 60

Leu Ala Asn Gln Arg His Phe Phe Cys Pro Ser Ile Phe His Thr Cys
65 70 75 80

Pro Thr Val Leu Phe Phe
85

<210> 1705

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1705

Phe Gly Gly Glu Glu Met Ala Asp Ser Val Lys Thr Phe Leu Gln Asp
1 5 10 15

Leu

<210> 1706

<211> 471

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (191)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (373)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (446)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1706

Ser Thr Pro Ser Gly Tyr Leu Glu Leu Pro Asp Leu Gly Gln Pro Tyr
1 5 10 15

Ser Ser Ala Val Tyr Ser Leu Glu Glu Gln Tyr Leu Gly Leu Ala Leu
20 25 30

Asp Val Asp Arg Xaa Lys Lys Asp Xaa Glu Glu Glu Glu Asp Gln Xaa
35 40 45

Pro Pro Cys Pro Arg Leu Ser Arg Glu Leu Leu Glu Val Val Glu Pro
50 55 60

Glu Val Leu Gln Asp Ser Leu Asp Arg Cys Tyr Ser Thr Pro Ser Ser
65 70 75 80

Cys Leu Glu Gln Pro Asp Ser Cys Gln Pro Tyr Gly Ser Ser Phe Tyr
85 90 95

Ala Leu Glu Glu Lys His Val Gly Phe Ser Leu Asp Val Gly Glu Ile
100 105 110

Glu Lys Lys Gly Lys Gly Lys Lys Arg Arg Gly Arg Arg Ser Lys Lys
 115 120 125
 Glu Arg Arg Arg Gly Arg Lys Glu Gly Glu Glu Asp Gln Asn Pro Pro
 130 135 140
 Cys Pro Arg Leu Ser Arg Glu Leu Leu Asp Glu Lys Gly Pro Glu Val
 145 150 155 160
 Leu Gln Asp Ser Leu Asp Arg Cys Tyr Ser Thr Pro Ser Gly Cys Leu
 165 170 175
 Glu Leu Thr Asp Ser Cys Gln Pro Tyr Arg Ser Ala Phe Tyr Xaa Leu
 180 185 190
 Glu Gln Gln Arg Val Gly Leu Ala Val Asp Met Asp Glu Ile Glu Lys
 195 200 205
 Tyr Gln Glu Val Glu Glu Asp Gln Asp Pro Ser Cys Pro Arg Leu Ser
 210 215 220
 Arg Glu Leu Leu Asp Glu Lys Glu Pro Glu Val Leu Gln Asp Ser Leu
 225 230 235 240
 Asp Arg Cys Tyr Ser Thr Pro Ser Gly Tyr Leu Glu Leu Pro Asp Leu
 245 250 255
 Gly Gln Pro Tyr Ser Ser Ala Val Tyr Ser Leu Glu Glu Gln Tyr Leu
 260 265 270
 Gly Leu Ala Leu Asp Val Asp Arg Ile Lys Lys Asp Gln Glu Glu Glu
 275 280 285
 Glu Asp Gln Gly Pro Pro Cys Pro Arg Leu Ser Arg Glu Leu Leu Glu
 290 295 300
 Val Val Glu Pro Glu Val Leu Gln Asp Ser Leu Asp Arg Cys Tyr Ser
 305 310 315 320
 Thr Pro Ser Ser Cys Leu Glu Gln Pro Asp Ser Cys Gln Pro Tyr Gly
 325 330 335
 Ser Ser Phe Tyr Ala Leu Glu Glu Lys His Val Gly Phe Ser Leu Asp
 340 345 350
 Val Gly Glu Ile Glu Lys Lys Gly Lys Gly Lys Lys Arg Arg Gly Arg
 355 360 365
 Arg Ser Lys Lys Xaa Arg Arg Arg Gly Arg Lys Glu Gly Glu Glu Asp
 370 375 380

Gln Asn Pro Pro Cys Pro Arg Leu Asn Gly Val Leu Met Glu Val Glu
385 390 395 400

Glu Pro Glu Val Leu Gln Asp Ser Leu Asp Arg Cys Tyr Ser Thr Pro
405 410 415

Ser Met Tyr Phe Glu Leu Pro Asp Ser Phe Gln His Tyr Arg Ser Val
420 425 430

Phe Tyr Ser Phe Glu Glu Gln His Ile Ser Phe Ala Leu Xaa Val Asp
435 440 445

Asn Arg Phe Phe Thr Leu Thr Val Thr Ser Leu His Leu Val Phe Gln
450 455 460

Met Gly Val Ile Phe Pro Gln
465 470

<210> 1707

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1707

Arg Glu Arg Asn Leu Gly Ala Pro Gly Ser Gly Leu Lys Ala Ala Arg
1 5 10 15

Gln Ser Arg Ala Val Leu Ala Pro Ala Arg Gly Ala Ala Ala Pro Gly
20 25 30

Val Ala Met Thr Ser Glu Leu Asp Ile Phe Val Gly Asn Thr Thr Leu
35 40 45

Ile Asp Glu Asp Val Tyr Arg Leu Trp Leu Asp Gly Tyr Ser Val Thr
50 55 60

Asp Ala Val Ala Leu Arg Val Arg Ser Gly Ile Leu Glu Gln Thr Gly
65 70 75 80

Ala Thr Ala Ala Val Leu Gln Ser Asp Thr Met Asp His Tyr Arg Thr
85 90 95

Phe His Met Leu Glu Arg Leu Leu His Ala Pro Pro Lys Leu Leu His
100 105 110

Gln Leu Ile Phe Gln Ile Pro Pro Ser Arg Gln Ala Leu Leu Ile Glu
115 120 125

Arg Tyr Tyr Ala Phe Asp Glu Ala Phe Val Arg Glu Val Leu Gly Lys

130 135 140
 Lys Leu Ser Lys Gly Thr Lys Lys Asp Leu Asp Asp Ile Ser Thr Lys
 145 150 155 160
 Thr Gly Ile Thr Leu Lys Ser Cys Arg Arg Gln Phe Asp Asn Phe Lys
 165 170 175
 Arg Val Phe Lys Val Val Glu Glu Met Arg Gly Ser Leu Val Asp Asn
 180 185 190
 Ile Gln Gln His Phe Leu Leu Ser Asp Arg Leu Ala Arg Asp Tyr Ala
 195 200 205
 Ala Ile Val Phe Phe Ala Asn Asn Arg Phe Glu Thr Gly Lys Lys Lys
 210 215 220
 Leu Gln Tyr Leu Ser Phe Gly Asp Phe Ala Phe Cys Ala Glu Leu Met
 225 230 235 240
 Ile Gln Asn Trp Thr Leu Trp Ser Arg Arg
 245 250

<210> 1708

<211> 337

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (283)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1708

Ile Tyr His Pro Ala Val Val Glu Ser Thr Ile Cys Ser Gly Ile Tyr
 1 5 10 15

Thr Gln Cys Gln Phe Asp Ile Met Leu Gly Gly Thr Asp Cys Arg Thr
 20 25 30

Phe Leu Thr Ser His Ile Asn Leu Lys Lys Thr Leu Cys Asp Val Ile
35 40 45

Leu Met Val Gln Glu Arg Lys Ile Pro Ala His Arg Val Val Leu Ala
50 55 60

Ala Ala Ser His Phe Phe Asn Leu Met Phe Thr Thr Asn Met Leu Glu
65 70 75 80

Ser Lys Ser Phe Glu Val Glu Leu Lys Asp Ala Glu Pro Asp Ile Ile
85 90 95

Glu Gln Leu Val Glu Phe Ala Tyr Thr Ala Arg Ile Ser Val Asn Xaa
100 105 110

Asn Asn Val Gln Ser Leu Leu Asp Ala Ala Asn Gln Tyr Gln Xaa Glu
115 120 125

Pro Val Lys Lys Met Cys Val Asp Phe Leu Lys Glu Gln Val Asp Ala
130 135 140

Ser Asn Cys Leu Gly Ile Ser Val Leu Ala Glu Cys Leu Asp Cys Pro
145 150 155 160

Glu Leu Lys Ala Thr Ala Asp Asp Phe Ile His Gln His Phe Thr Glu
165 170 175

Val Tyr Lys Thr Asp Glu Phe Leu Gln Leu Asp Val Lys Arg Val Thr
180 185 190

His Leu Leu Asn Gln Asp Thr Leu Thr Val Arg Ala Glu Asp Gln Val
195 200 205

Tyr Asp Ala Ala Val Arg Trp Leu Lys Tyr Asp Glu Pro Asn Arg Gln
210 215 220

Pro Phe Met Val Asp Ile Leu Ala Lys Val Arg Phe Pro Leu Ile Ser
225 230 235 240

Lys Asn Phe Leu Ser Lys Thr Val Gln Ala Glu Pro Leu Ile Gln Asp
245 250 255

Asn Pro Glu Cys Leu Lys Met Val Ile Ser Gly Met Arg Tyr His Leu
260 265 270

Leu Ser Pro Glu Asp Arg Glu Glu Leu Val Xaa Gly Thr Arg Pro Arg
275 280 285

Arg Lys Lys His Asp Tyr Arg Ile Ala Leu Phe Gly Gly Ser Gln Pro
290 295 300

Gln Ser Cys Arg Tyr Phe Asn Pro Lys Asp Tyr Ser Trp Thr Asp Ile
 305 310 315 320

Arg Cys Pro Phe Glu Lys Arg Glu Met Gln His Ala Cys Phe Gly Thr
 325 330 335

Met

<210> 1709

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1709

Val Ala Ser Gly His Pro Arg Pro Asp Ile Thr Trp Met Lys Asp Asp
 1 5 10 15

Gln Ala Leu Thr Arg Pro Glu Ala Ala Glu Pro Arg Lys Lys Lys Trp
 20 25 30

Thr Leu Ser Leu Lys Asn Leu Arg Pro Glu Asp Ser Gly Lys Tyr Thr
 35 40 45

Cys Arg Val Ser Asn Arg Ala Gly Ala Ile Asn Ala Thr Tyr Lys Val
 50 55 60

Asp Val Ile Gln Arg Thr Arg Ser Lys Pro Val Leu Thr Gly Thr His
 65 70 75 80

Pro Val Asn Thr Thr Val Asp Phe Gly Gly Thr Thr Ser Phe Gln Cys
 85 90 95

Lys Val Arg Thr Thr
 100

<210> 1710

<211> 124

<212> PRT

<213> Homo sapiens

<400> 1710

Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr Ser Gly Ser
 1 5 10 15

Pro Gly Leu Gln Glu Phe Gly Thr Arg Asn Leu Arg Lys Met Val Ala

	20		25		30	
Met	Ala	Ala	Gly	Pro	Ser	Gly
	35		40		45	
Leu	Leu	Leu	Ala	Thr	Val	Leu
	50		55		60	
Phe	Ser	Ser	Glu	Ala	Cys	Arg
	65		70		75	
Cys	Ser	Ser	Cys	Asp	Leu	Leu
	85		90		95	
Pro	Asp	Cys	Arg	Gly	Cys	Cys
	100		105		110	
Lys	Leu	Tyr	Ala	Gly	Ala	Ile
	115		120			

<210> 1711

<211> 98

<212> PRT

<213> Homo sapiens

<400> 1711

Gly	His	Ala	Ser	Phe	Arg	Ala	Phe	Ser	Phe	Pro	Pro	Ser	Ile	Ser	Asn
1				5					10					15	
Leu	Gly	Met	Phe	Gly	Ile	Asp	Glu	Phe	Thr	Ala	Val	Ile	Asn	Pro	Pro
	20						25						30		
Gln	Ala	Cys	Ile	Leu	Ala	Val	Gly	Arg	Phe	Arg	Pro	Val	Leu	Lys	Leu
	35						40					45			
Thr	Glu	Asp	Glu	Glu	Gly	Asn	Ala	Lys	Leu	Gln	Gln	Arg	Gln	Leu	Ile
	50					55						60			
Thr	Val	Thr	Met	Ser	Ser	Asp	Ser	Arg	Val	Val	Asp	Asp	Glu	Leu	Ala
	65					70					75				80
Thr	Arg	Phe	Leu	Lys	Ser	Phe	Lys	Ala	Asn	Leu	Glu	Asn	Pro	Ile	Arg
					85				90					95	

Leu Ala

<210> 1712

<211> 100

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1712

Gly Ile Lys Gly Pro Trp Thr Glu Ser Cys Leu Gly Gly Pro Ser Gly
1 5 10 15
Met Gly Xaa Gly His Thr Ser Leu Ala Ile Ser Gln Gln Asp Gln Ser
20 25 30
Lys Leu Tyr His Leu Pro Pro Pro Thr Val Gly Pro His Ser Ile Ala
35 40 45
Ser Pro Pro Glu Asp Arg Thr Val Lys Asp Ser Thr Pro Ser Ser Leu
50 55 60
Asp Ser Asp Pro Leu Met Ala Met Leu Leu Lys Leu Gln Glu Ala Ala
65 70 75 80
Asn Tyr Ile Glu Ser Pro Asp Arg Glu Thr Ile Leu Asp Pro Asn Leu
85 90 95
Gln Ala Thr Leu
100

<210> 1713

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1713

Pro Ile Phe Ile Glu Tyr Phe Leu His Val Gln Leu His Pro Leu Cys
1 5 10 15
Lys Asp Tyr Met Asn Ile Ala His Ser Leu Leu Val Ser Gln Thr His
20 25 30
Leu Tyr Ile Phe Leu Ser Glu Ala His Cys Thr Cys Ile Glu Ala Arg
35 40 45
Ile Glu Ser Arg Lys Ile Lys Pro His Ser Pro Thr Ala Lys Cys Ala
50 55 60

Phe Pro
65

<210> 1714
<211> 107
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1714
Gly Thr Xaa Thr Phe Pro Gly Pro Pro Asn Asn Ser Ser Ile His Gly
1 5 10 15
Gly Ser Lys Arg Ser Glu Asn Ser Tyr Cys Arg Asp Leu Arg Gly Gln
20 25 30
Leu Arg Ala Ile Cys Cys Ser Ser Tyr Ser His Asp Arg His Thr Thr
35 40 45
Glu Glu Arg Gly Ser Arg Gly Arg Arg Val Trp Arg Ile Arg Arg Leu
50 55 60
His Thr Ser Gly Leu Pro Cys Cys Cys His Ser Gly Pro His Pro Arg
65 70 75 80
Arg Leu Pro Asp Ile Leu Arg Leu Val Thr Ser Thr Lys Thr Asp His
85 90 95
Thr Asn Thr Thr Glu Gly Thr Leu Asp Tyr Leu
100 105

<210> 1715
<211> 491
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1715

Ala Ala Arg Val Gly Arg His Gly Arg Arg Arg Ser Ala Ala Met
 1 5 10 15

Ala Gly Arg Gly Gly Ser Ala Leu Leu Ala Leu Cys Gly Ala Leu Ala
 20 25 30

Ala Cys Gly Trp Leu Leu Gly Ala Glu Xaa Xaa Xaa Pro Gly Ala Pro
 35 40 45

Ala Ala Gly Met Arg Arg Arg Arg Arg Leu Gln Gln Glu Asp Gly Ile
 50 55 60

Ser Phe Glu Tyr His Arg Tyr Pro Glu Leu Arg Glu Ala Leu Val Ser
 65 70 75 80

Val Trp Leu Gln Cys Thr Ala Ile Ser Arg Ile Tyr Thr Val Gly Arg
 85 90 95

Ser Phe Glu Gly Arg Glu Leu Leu Val Ile Glu Leu Ser Asp Asn Pro
 100 105 110

Gly Val His Glu Pro Gly Glu Pro Glu Phe Lys Tyr Ile Gly Asn Met
 115 120 125

His Gly Asn Glu Ala Val Gly Arg Glu Leu Leu Ile Phe Leu Ala Gln
 130 135 140

Tyr Leu Cys Asn Glu Tyr Gln Lys Gly Asn Glu Thr Ile Val Asn Leu
 145 150 155 160

Ile His Ser Thr Arg Ile His Ile Met Pro Ser Leu Asn Pro Asp Gly
 165 170 175

Phe Glu Lys Ala Ala Ser Gln Pro Gly Glu Leu Lys Asp Trp Phe Val
 180 185 190

Gly Arg Ser Asn Ala Gln Gly Ile Asp Leu Asn Arg Asn Phe Pro Asp
 195 200 205

Leu Asp Arg Ile Val Tyr Val Asn Glu Lys Glu Gly Gly Pro Asn Asn
 210 215 220

His Leu Leu Lys Asn Met Lys Lys Ile Val Asp Gln Asn Thr Lys Leu
225 230 235 240

Ala Pro Glu Thr Lys Ala Val Ile His Trp Ile Met Asp Ile Pro Phe
245 250 255

Val Leu Ser Ala Asn Leu His Gly Gly Asp Leu Val Ala Asn Tyr Pro
260 265 270

Tyr Asp Glu Thr Arg Ser Gly Ser Ala His Glu Tyr Ser Ser Ser Pro
275 280 285

Asp Asp Ala Ile Phe Gln Ser Leu Ala Arg Ala Tyr Ser Ser Phe Asn
290 295 300

Pro Ala Met Ser Asp Pro Asn Arg Pro Pro Cys Arg Lys Asn Asp Asp
305 310 315 320

Asp Ser Ser Phe Val Asp Gly Thr Thr Asn Gly Gly Ala Trp Tyr Ser
325 330 335

Val Pro Gly Gly Met Gln Asp Phe Asn Tyr Leu Ser Ser Asn Cys Phe
340 345 350

Glu Ile Thr Val Glu Leu Ser Cys Glu Lys Phe Pro Pro Glu Glu Thr
355 360 365

Leu Lys Thr Tyr Trp Glu Asp Asn Lys Asn Ser Leu Ile Ser Tyr Leu
370 375 380

Glu Gln Ile His Arg Gly Val Lys Gly Phe Val Arg Asp Leu Gln Gly
385 390 395 400

Asn Pro Ile Ala Asn Ala Thr Ile Ser Val Glu Gly Ile Asp His Asp
405 410 415

Val Thr Ser Ala Lys Asp Gly Asp Tyr Trp Arg Leu Leu Ile Pro Gly
420 425 430

Asn Tyr Lys Leu Thr Ala Ser Ala Pro Gly Tyr Leu Ala Ile Thr Lys
435 440 445

Lys Val Ala Val Pro Tyr Ser Pro Ala Ala Gly Val Asp Phe Glu Leu
450 455 460

Glu Ser Phe Ser Glu Arg Lys Glu Glu Glu Lys Glu Glu Leu Met Glu
465 470 475 480

Trp Trp Lys Met Met Ser Glu Thr Leu Asn Phe
485 490

<210> 1716

<211> 179

<212> PRT

<213> Homo sapiens

<400> 1716

Ala Ala Glu Glu Thr Gly Gly Ala Gln Pro Glu Gly Arg Gly Val Gly
1 5 10 15

Pro Lys Glu Arg Glu Leu Gln His Ala Ala Leu Gly Gly Thr Ala Ile
20 25 30

Gln Pro Cys Phe Phe Gln Asp Ile Ser Met Glu Ile Pro Gln Glu Phe
35 40 45

Gln Lys Thr Val Ser Thr Met Tyr Tyr Leu Trp Met Cys Ser Thr Leu
50 55 60

Ala Leu Leu Leu Asn Phe Leu Ala Cys Leu Ala Ser Phe Cys Val Glu
65 70 75 80

Thr Asn Asn Gly Ala Gly Phe Gly Leu Ser Ile Leu Trp Val Leu Leu
85 90 95

Phe Thr Pro Cys Ser Phe Val Cys Trp Tyr Arg Pro Met Tyr Lys Ala
100 105 110

Phe Arg Ser Asp Ser Ser Phe Asn Phe Phe Val Phe Phe Phe Ile Phe
115 120 125

Phe Val Gln Asp Val Leu Phe Val Leu Gln Ala Ile Gly Ile Pro Gly
130 135 140

Trp Gly Phe Ser Gly Trp Ile Ser Ala Leu Val Val Pro Lys Ala Thr
145 150 155 160

Gln Gln Tyr Pro Cys Ser Cys Cys Trp Ser Pro Cys Ser Ser Leu Ala
165 170 175

Leu Leu Cys

<210> 1717

<211> 499

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (485)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (486)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1717

Arg	Pro	Val	Arg	Asn	Ser	Arg	Val	Thr	Thr	Xaa	Pro	Pro	Ala	Gln	Gln
1				5					10					15	

Thr	Arg	Arg	Asp	Gln	Ser	Val	Pro	Val	Gly	Ser	Met	Ala	Thr	Lys	Cys
			20					25					30		

Gly	Asn	Cys	Gly	Pro	Gly	Tyr	Ser	Thr	Pro	Leu	Glu	Ala	Met	Lys	Gly
	35					40						45			

Pro	Arg	Glu	Glu	Ile	Val	Tyr	Leu	Pro	Cys	Ile	Tyr	Arg	Asn	Thr	Gly
	50					55					60				

Thr	Glu	Ala	Pro	Asp	Tyr	Leu	Ala	Thr	Val	Asp	Val	Asp	Pro	Lys	Ser
65					70					75				80	

Pro	Gln	Tyr	Cys	Gln	Val	Ile	His	Arg	Leu	Pro	Met	Pro	Asn	Leu	Lys
				85					90					95	

Asp	Glu	Leu	His	His	Ser	Gly	Trp	Asn	Thr	Cys	Ser	Ser	Cys	Phe	Gly
		100						105					110		

Asp	Ser	Thr	Lys	Ser	Arg	Thr	Lys	Leu	Val	Leu	Pro	Ser	Leu	Ile	Ser
		115					120					125			

Ser	Arg	Ile	Tyr	Val	Val	Asp	Val	Gly	Ser	Glu	Pro	Arg	Ala	Pro	Lys
	130					135					140				

Leu	His	Lys	Val	Ile	Glu	Pro	Lys	Asp	Ile	His	Ala	Lys	Cys	Glu	Leu
145				150						155				160	

Ala	Phe	Leu	His	Thr	Ser	His	Cys	Leu	Ala	Ser	Gly	Glu	Val	Met	Ile
			165						170					175	

Ser	Ser	Leu	Gly	Asp	Val	Lys	Gly	Asn	Gly	Lys	Gly	Gly	Phe	Val	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

180	185	190
Leu Asp Gly Glu Thr Phe Glu Val Lys Gly Thr Trp Glu Arg Pro Gly		
195	200	205
Gly Ala Ala Pro Leu Gly Tyr Asp Phe Trp Tyr Gln Pro Arg His Asn		
210	215	220
Val Met Ile Ser Thr Glu Trp Ala Ala Pro Asn Val Leu Arg Asp Gly		
225	230	235
Phe Asn Pro Ala Asp Val Glu Ala Gly Leu Tyr Gly Ser His Leu Tyr		
245	250	255
Val Trp Asp Trp Gln Arg His Glu Ile Val Gln Thr Leu Ser Leu Lys		
260	265	270
Asp Gly Leu Ile Pro Leu Glu Ile Arg Phe Leu His Asn Pro Asp Ala		
275	280	285
Ala Gln Gly Phe Val Gly Cys Ala Leu Ser Ser Thr Ile Gln Arg Phe		
290	295	300
Tyr Lys Asn Glu Gly Gly Thr Trp Ser Val Glu Lys Val Ile Gln Val		
305	310	315
Pro Pro Lys Lys Val Lys Gly Trp Leu Leu Pro Glu Met Pro Gly Leu		
325	330	335
Ile Thr Asp Ile Leu Leu Ser Leu Asp Asp Arg Phe Leu Tyr Phe Ser		
340	345	350
Asn Trp Leu His Gly Asp Leu Arg Gln Tyr Asp Ile Ser Asp Pro Gln		
355	360	365
Arg Pro Arg Leu Thr Gly Gln Leu Phe Leu Gly Gly Ser Ile Val Lys		
370	375	380
Gly Gly Pro Val Gln Val Leu Glu Asp Glu Glu Leu Lys Ser Gln Pro		
385	390	395
Glu Pro Leu Val Val Lys Gly Lys Arg Val Ala Gly Gly Pro Gln Met		
405	410	415
Ile Gln Leu Ser Leu Asp Gly Lys Arg Leu Tyr Ile Thr Thr Ser Leu		
420	425	430
Tyr Ser Ala Trp Asp Lys Gln Phe Tyr Pro Asp Leu Ile Arg Glu Gly		
435	440	445
Ser Val Met Leu Gln Val Asp Val Asp Thr Val Lys Gly Gly Leu Lys		

450 455 460
 Leu Asn Pro Asn Phe Leu Val Asp Phe Gly Lys Glu Pro Leu Gly Pro
 465 470 475 480
 Ala Leu Ala His Xaa Xaa Arg Tyr Pro Gly Gly Asp Cys Ser Ser Asp
 485 490 495
 Ile Trp Ile

<210> 1718
 <211> 213
 <212> PRT
 <213> Homo sapiens

<400> 1718
 Phe Ile Met Asp Asn Leu Ser Ser Glu Glu Ile Gln Gln Arg Ala His
 1 5 10 15
 Gln Ile Thr Asp Glu Ser Leu Glu Ser Thr Arg Arg Ile Leu Gly Leu
 20 25 30
 Ala Ile Glu Ser Gln Asp Ala Gly Ile Lys Thr Ile Thr Met Leu Asp
 35 40 45
 Glu Gln Lys Glu Gln Leu Asn Arg Ile Glu Glu Gly Leu Asp Gln Ile
 50 55 60
 Asn Lys Asp Met Arg Glu Thr Glu Lys Thr Leu Thr Glu Leu Asn Lys
 65 70 75 80
 Cys Cys Gly Leu Cys Val Cys Pro Cys Asn Arg Thr Lys Asn Phe Glu
 85 90 95
 Ser Gly Lys Ala Tyr Lys Thr Thr Trp Gly Asp Gly Gly Glu Asn Ser
 100 105 110
 Pro Cys Asn Val Val Ser Lys Gln Pro Gly Pro Val Thr Asn Gly Gln
 115 120 125
 Leu Gln Gln Pro Thr Thr Gly Ala Ala Ser Gly Gly Tyr Ile Lys Arg
 130 135 140
 Ile Thr Asn Asp Ala Arg Glu Asp Glu Met Glu Glu Asn Leu Thr Gln
 145 150 155 160
 Val Gly Ser Ile Leu Gly Asn Leu Lys Asp Met Ala Leu Asn Ile Gly
 165 170 175

Asn Glu Ile Asp Ala Gln Asn Pro Gln Ile Lys Arg Ile Thr Asp Lys
180 185 190

Ala Asp Thr Asn Arg Asp Arg Ile Asp Ile Ala Asn Ala Arg Ala Lys
195 200 205

Lys Leu Ile Asp Ser
210

<210> 1719

<211> 102

<212> PRT

<213> Homo sapiens

<400> 1719

Gly Met Glu Gly Thr Glu Met Gly Ala Arg Pro Gly Gly His Pro Gln
1 5 10 15

Lys Trp Ser Phe Leu Trp Ser Leu Ala Leu Trp Leu Pro Leu Ala Leu
20 25 30

Ser Val Ser Leu Phe Leu Gly Leu Ser Leu Ser Pro Pro Gln Pro Gly
35 40 45

Leu Ser Leu Trp Cys Thr Leu Ser Tyr Cys Cys Glu Gln Trp Lys Phe
50 55 60

Lys Gly Thr Pro Ser Pro Ala Leu Leu Asn Leu Gly Thr Gln Pro Lys
65 70 75 80

Lys Asp Lys Lys Leu Glu Asp Ser Ile Ala Thr Gln Leu Arg Glu Leu
85 90 95

Pro Glu Lys Asn Ser Asn
100

<210> 1720

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1720

Ala Gln Trp Leu Thr Pro Val Ile Leu Ala Phe Trp Lys Ala Glu Ala
1 5 10 15

Gly Gly Ser Leu

20

<210> 1721

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1721

Ile	Arg	His	Glu	Val	Leu	Ile	Val	Pro	Leu	Leu	Val	Gly	Leu	Arg	Gln
1					5				10					15	

Glu	Asp	His	Leu	Ser	Pro	Gly	Gly	Arg	Gly	Tyr	Ser	Glu	Pro	Arg	Val
			20					25					30		

His	Tyr	Cys	Thr	Pro	Ala	Arg	Xaa	Arg	Glu	Arg	Asp	Pro	Val	Ser	Ile
		35					40					45			

Asn Lys

50

<210> 1722

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1722

Glu	Xaa	Gly	Thr	Glu	Ser	His	Tyr	Val	Thr	Gln	Ala	Gly	Val	Gln	Trp
1					5				10					15	

His	Asp	Leu	Ser	Ser	Leu	Gln	Pro	Ser	Pro	Pro	Gly	Phe	Lys	Arg	Phe
		20						25					30		

Ser	Cys	Leu	Arg	Leu	Leu	Ser	Ser	Trp	Asp	Tyr	Arg	His	Thr	Pro	Pro
		35					40					45			

Arg	Pro	Ala	Asn	Phe	Leu	Tyr	Phe
			50			55	

<210> 1723
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1723
Gly Ser Thr His Ala Ser Ala Met Xaa Xaa Xaa Thr Ser Gly Val Gly
1 5 10 15
Asp Glu Trp Trp Pro Lys Gln Gly Asp Ser Lys Gly Arg Ser Gly Gly
20 25 30
Arg Pro Trp Arg Thr Ala Ala Arg Ser Gly Leu Thr Gly Ala Ser Ser
35 40 45
Arg Xaa Arg Trp Thr Thr Ala Pro Arg Trp Ile Ser Ala Tyr Pro Ser
50 55 60

Val Arg Xaa Ala Lys Glu Gly Arg Leu Gln Glu Val Ile Glu Thr Leu
65 70 75 80

Leu Ser Leu Glu Lys Gln Thr Arg Thr Ala Ser Asp Met Val Ser Thr
85 90 95

Ser Arg Ile Leu Val Ala Ser Ser Gly Arg Cys Ala Asn Xaa Gly
100 105 110

<210> 1724

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1724

Gly Arg Gly Arg Cys Glu Xaa Gly Lys Met Ala Ala Ala Val Val
1 5 10 15

Glu Phe Gln Arg Ala Gln Ser Leu Leu Ser Thr Asp Arg Glu Ala Ser
20 25 30

Ile Asp Ile Leu His Ser Ile Val Lys Arg Asp Ile Gln Glu Asn Asp
35 40 45

Glu Glu Ala Val Gln Val Lys Glu Gln Ser Ile Leu Glu Leu Gly Ser
50 55 60

Leu Leu Ala Lys Thr Xaa Gln Ala Ala Glu Leu
65 70 75

<210> 1725

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1725

Pro Gly Ser Arg His His Arg Ala Arg Asp Arg Leu Ile His Phe Gly
1 5 10 15

Ala Val Ser Thr Asp Val Leu Gly Cys Ser Ala His Cys Ser Leu Thr
20 25 30

Gln Ser Pro Lys Met Asn Ile Gln Glu Gln Gly Phe Pro Leu Asp Leu
35 40 45

Gly Ala Ser Phe Thr Glu Asp Ala Pro Pro Xaa Pro Ser Ala Trp
50 55 60

<210> 1726

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1726

Ala Glu Pro Asp Gly Ser His Pro Val Val Xaa Ala Pro Tyr Asn Gly
 1 5 10 15

Gly Pro Ala Gly Thr Cys Pro Lys Ile Lys Gln Glu Ala Val Ser Ser
 20 25 30

Cys Thr His Leu Gly Ala Gly Pro Pro Leu Gln Gln Trp Pro Pro Ala
 35 40 45

Gly Cys His Thr Asp Phe Pro Leu Gly Thr Ala Xaa Pro Gln Gln Asp
 50 55 60

Leu Pro Arg Thr Leu Gly Leu Glu Gly Ser Ala Glu Gln Gln Gly Thr
 65 70 75 80

Val His Pro Ala Leu Pro Val Ser Xaa Arg Val Ser Ile Pro Thr Arg
 85 90 95

Gly Pro Asn Leu Pro Xaa Xaa Phe Leu Xaa Pro Ile Gln Met Gln Pro
 100 105 110

Xaa Val Xaa Xaa Arg Xaa Ile Asn Gln Gly Val Tyr Ala Asn Arg Xaa
 115 120 125

Leu Asp Ala Lys Gly Gly Pro Ser Gln Arg Gly Xaa Arg Arg Leu Trp
 130 135 140

Ala Pro Glu Lys Asp Arg Gln Pro Xaa Phe Asp Xaa Gly Val Trp Glu
 145 150 155 160

Lys Xaa Ser Lys Lys Gly Phe Ser Xaa Phe
 165 170

<210> 1727

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1727

Leu Arg Ala Arg Gly Ala Ala Trp Ala Gly Gly Leu Leu His Arg Ala
 1 5 10 15

Ala Pro Cys Ser Leu Leu Pro Arg Leu Arg Thr Trp Thr Ser Ser Ser
 20 25 30

Asn Arg Ser Arg Glu Asp Ser Trp Leu Lys Ser Leu Phe Val Arg Lys
 35 40 45

Val Asp Pro Arg Lys Asp Ala His Ser Asn Leu Leu Ser Lys Lys Glu
 50 55 60

Thr Ser Asn Leu Tyr Lys Leu Gln Phe His Asn Val Lys Pro Glu Cys
 65 70 75 80

Leu Glu Xaa Tyr Asn Lys Ile Cys Gln Glu Val Leu Pro Lys Ile His
 85 90 95

Xaa Xaa

<210> 1728

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1728

Gly Ser Leu Phe Pro Arg Val Leu Pro Ser Pro Leu Gly Pro Pro Gly
 1 5 10 15

Gly Lys His Gly Val Cys Pro Gly Ala Val Arg Glu Gln Cys Pro Thr
 20 25 30

Ala Leu Ser Ser Arg Phe Val Lys Phe Ser Met Pro Ser Val Pro Asp
 35 40 45

Phe Glu Thr Leu Phe Ser Gln Val Gln Leu Phe Ile Ser Thr Cys Asn

50 55 60
 Gly Glu His Ile Arg Tyr Ala Thr Asp Thr Phe Ala Gly Leu Cys His
 65 70 75 80
 Gln Leu Thr Asn Ala Leu Val Glu Arg Lys Gln Pro Leu Arg Gly Ile
 85 90 95
 Gly Ile Leu Lys Gln Ala Ile Asp Lys Met Gln Met Asn Thr Asn Gln
 100 105 110
 Leu Thr Ser Ile His Xaa Asp Leu Cys Gln Leu Val Cys
 115 120 125

<210> 1729

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1729

Ile Leu Thr Met Arg Glu Ile Val His Ile Gln Ala Gly Gln Cys Gly
 1 5 10 15
 Asn Gln Ile Gly Ala Lys Phe Trp Glu Val Ile Ser Asp Glu His Gly
 20 25 30
 His Arg Pro His Arg Ala Pro Thr Thr Gly Asp Ser Asp Leu Pro Ala
 35 40 45
 Gly Thr Ala Xaa Ser Val Tyr
 50 55

<210> 1730

<211> 128

<212> PRT

<213> Homo sapiens

<400> 1730

Arg Ile Ala Ala Ser Glu Thr Arg Val Ala Pro Ser Val Leu Arg Leu
 1 5 10 15
 Ala Met Thr Ser Tyr Ser Tyr Arg Gln Ser Ser Ala Thr Ser Ser Phe

```

                20                25                30
Gly Gly Leu Gly Gly Gly Ser Val Arg Phe Gly Pro Gly Val Ala Phe
   35                                40                                45
Arg Ala Pro Ser Ile His Gly Gly Ser Gly Gly Arg Gly Val Ser Val
   50                                55                                60
Ser Ser Ala Arg Phe Val Ser Ser Ser Ser Ser Gly Gly Tyr Gly Gly
   65                                70                                75                                80
Gly Tyr Gly Gly Val Leu Thr Ala Ser Asp Gly Leu Leu Ala Gly Asn
                        85                                90                                95
Glu Lys Leu Thr Met Gln Asn Leu Asn Asp Arg Leu Ala Ser Tyr Leu
   100                                105                                110
Asp Lys Val Arg Ala Leu Glu Ala Ala Asn Gly Glu Leu Glu Val Lys
   115                                120                                125

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<210> 1731

<211> 156

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1731

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Ser Thr His Ala Ser Ala His Ala Ser Glu Trp Ser Glu Glu Gln Leu
  1              5              10              15

```

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Ile Ala Ala Lys Phe Cys Phe Ala Gly Leu Leu Ile Gly Gln Thr Glu
   20              25              30

```

Val Asp Ile Met Ser Xaa Ala Thr Gln Ala Ile Phe Glu Ile Leu Glu
35 40 45

Lys Ser Trp Leu Pro Gln Asn Cys Thr Leu Val Asp Met Lys Ile Glu
50 55 60

Phe Gly Val Asp Val Thr Thr Lys Glu Ile Val Leu Ala Asp Val Ile
65 70 75 80

Asp Asn Asp Ser Trp Arg Leu Trp Pro Ser Gly Asp Arg Ser Gln Gln
85 90 95

Lys Asp Lys Gln Ser Tyr Arg Asp Leu Lys Glu Val Thr Pro Glu Gly
100 105 110

Leu Gln Met Val Lys Arg Asn Phe Glu Trp Val Ala Glu Arg Val Glu
115 120 125

Leu Leu Leu Lys Ser Xaa Ser Gln Cys Arg Val Val Val Leu Xaa Gly
130 135 140

Ser Thr Ser Asp Leu Gly His Cys Glu Lys Ile Gln
145 150 155

<210> 1732

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1732
Val Asp Ile Arg Lys Asp Leu Tyr Ala Asn Thr Val Leu Ser Gly Gly
1 5 10 15
Thr Thr Met Tyr Pro Gly Ile Ala Asp Arg Met Gln Xaa Glu Ile Thr
20 25 30
Ala Leu Ala Pro Ser Thr Met Lys Ile Lys Ile Ile Ala Pro Pro Glu
35 40 45
Arg Lys Tyr Ser Val Trp Ile Gly Gly Ser Ile Leu Ala Ser Leu Ser
50 55 60
Thr Phe Gln Xaa Xaa Trp Ile Thr Ser Arg Ser Thr Thr Xaa Arg Xaa
65 70 75 80
Pro Pro Ser Ser Thr Ala Asn Ala Ser Asn Xaa Leu Xaa Xaa Ala Tyr
85 90 95
His Cys Cys Met Gly
100

<210> 1733
<211> 101
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1733

Ala Arg Arg Arg Gln Lys Gly Pro Ala Ala Pro Glu Ser Lys Pro Val
1 5 10 15

Pro Ala Gln Ser Arg Pro Ala Ala Val Cys Leu Leu Phe Gln His Asp
20 25 30

Arg Cys Arg Cys Val Leu Arg Gln Gly Leu Pro Gly Arg Trp Ser Gly
35 40 45

Arg Ser His Leu Lys Thr Ala Val Xaa Pro Ser Ser Gly Ser Ser Cys
50 55 60

Cys Cys Ser Cys Asn Ala Ser Lys Gln Ile Thr Ala Asp Lys Gln Cys
65 70 75 80

Lys Gly Ile Ile Asp Cys Val Val Arg Ile Pro Lys Glu Gln Asp Ser
85 90 95

Val Leu Leu Ala Xaa
100

<210> 1734

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1734

Ala	Arg	Val	His	Leu	Glu	Leu	Gln	Glu	Ala	Arg	Val	Met	Leu	Val	Pro
1				5					10					15	

Leu	Val	Asn	Val	Asp	Leu	Leu	Asp	Trp	Gln	Gly	Pro	Gln	Asp	Leu	Glu
		20						25					30		

Val	Glu	Leu	Val	Pro	Leu	Val	Pro	Lys	Glu	Glu	Arg	Val	Leu	Leu	Val
		35					40					45			

Leu	Leu	Gly	His	Leu	Val	Leu	Leu	Val	Leu	Leu	Val	Cys	Lys	Glu	Cys
		50				55					60				

Leu	Glu	Lys	Glu	Glu	Val	Leu	Glu	Val	Leu	Val	Gln	Arg	Val	Thr	Arg
65					70					75				80	

Val	Asn	Gln	Ala	Val	Gln	Val	Leu	Met	Val	Ser	Gln	Gly	Lys	Met	Ala
				85					90					95	

Gln	Gly	Val	Leu	Xaa	Val	Leu	Leu	Val	Leu	Leu	Ala	Gln	Leu	Ala	Ser
		100						105					110		

Leu	Glu	Ile	Lys	Gly	Glu	Gly	Gly	Ala	Pro	Gly	Phe	Pro	Xaa	Ile	Ser
		115					120					125			

Trp	Thr	Cys	Gly	Xaa	Pro	Gly	Glu	Arg	Gly	Glu	Met	Ala	Xaa	Gln	Asp
	130					135					140				

Xaa	Trp	Phe	Xaa	Trp	Cys	Ser	Trp
145					150		

<210> 1735

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1735

Val Arg Ala Arg Val Pro Ser Pro Ala Ala Ala Met Gly Cys Thr Leu
1 5 10 15

Ser Ala Glu Asp Lys Ala Ala Val Glu Arg
20 25

<210> 1736

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1736

His Glu Val Ser Ala Ala Ser Leu Val Pro Ala Val Pro Gln Pro Glu
1 5 10 15

Ala Asp Asn Leu Thr Leu Arg Tyr Arg Ser Leu Val Tyr Gln Leu Asn
20 25 30

Phe Asp Gln Thr Leu Arg Asn Val Asp Lys Ala Gly Thr Trp Ala Pro
35 40 45

Arg Glu Leu Val Leu Val Val Gln Val His Asn Arg Pro Glu Tyr Leu
50 55 60

Arg Leu Leu Leu Asp Ser Leu Arg Lys Ala Gln Gly Ile Asp Asn Val
65 70 75 80

Leu Val Ile Phe Ser His Asp Ser Gly Arg Pro Arg Ser Ile Ser
85 90 95

<210> 1737

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> xaa equals any of the naturally occurring L-amino acids

<400> 1737

Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met

1 5 10 15
Arg Arg His Ser Ser Ser Ile Glu Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30
Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
35 40 45
Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu
50 55 60
Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Xaa
65 70 75

<210> 1738

<211> 55

<212> PRT

<213> Homo sapiens

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<400> 1738

Leu Ile Xaa His Ile Gly Xaa Gly Xaa Cys Ser Thr Val Xaa Ile Pro
1 5 10 15

Gly Ser Arg Asp Pro Ser Leu Arg Thr Ala His Ala Arg His Ser Ser
20 25 30

Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg
35 40 45

Arg Asp Trp Glu Asn Xaa Xaa
50 55

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1739

Ser Arg Gly Ser Lys Leu Thr Xaa Ala Cys Met Arg Arg His Ser Ser
1 5 10 15

Ser Ile Val Ser Ala Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg
20 25 30

Arg Xaa Trp Glu Xaa
35

<210> 1740

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1740

Leu Thr Glu Thr Arg Phe Lys Thr Gly Thr Thr Leu Lys Tyr Thr Cys
1 5 10 15

Leu Pro Gly Tyr Val Arg Ser His Ser Thr Gln Thr Leu Thr Cys Asn
20 25 30

Ser Asp Gly Glu Trp Val Tyr Asn Thr Phe Cys Ile Tyr Lys Arg Cys
35 40 45

Arg His Pro Gly Glu Leu Arg Asn Gly Gln Val Glu Ile Lys Thr Asp
50 55 60

Leu Ser Phe Gly Ser Gln Ile Glu Phe Ser Cys Ser Glu Gly Phe Phe
65 70 75 80

Leu Ile Gly Ser Thr Thr Ser Arg Cys Glu Val Gln Asp Arg Gly Val
85 90 95

Gly Trp Ser His Pro Leu Pro Gln Cys Glu Ile Val Gln Val
100 105 110

<210> 1741

<211> 49

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<400> 1741

Gln Val His Leu Asp Gln Val Glu Val Ala Ser Xaa Leu Thr Leu Cys
1 5 10 15
Lys Glu Gly Cys Xaa Ala Ile Val Asp Thr Gly Thr Ser Leu Met Val
20 25 30
Gly Pro Val Asp Xaa Val Arg Xaa Cys Arg Arg Pro Ser Gly Pro Cys
35 40 45

Arg

<210> 1742

<211> 90

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1742

Gly Pro Ser Thr Arg Xaa Xaa Met Ile Glu Tyr Asp Pro Glu Arg Arg
1 5 10 15

Leu Gly Ile Phe Trp Val Ser Cys Glu Ala Gly Thr Tyr Ile Arg Thr
20 25 30

Leu Cys Val His Leu Gly Leu Leu Leu Gly Val Gly Gly Gln Met Gln
35 40 45

Glu Leu Arg Arg Val Arg Ser Gly Val Met Ser Xaa Lys Asp His Xaa
50 55 60

Val Thr Met His Asp Val Leu Xaa Ala Gln Trp Leu Tyr Xaa Asn His
65 70 75 80

Lys Asp Glu Ser Xaa Leu Arg Gly Val Val
85 90

<210> 1743

<211> 116

<212> PRT

<213> Homo sapiens

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<400> 1743
Ala Gly Ser Val Arg Arg Pro Cys Arg Arg Pro Trp Gly Xaa Arg Ala
1 5 10 15
Gly Glu Arg Met Xaa Gly Ala Gly Glu Glu Asp Pro Ala Ala Ala Phe
20 25 30
Leu Ala Gln Xaa Arg Ser Glu Ile Ala Gly Ile Glu Asn Asp Glu Ala
35 40 45
Phe Ala Ile Leu Glu Arg Arg Arg Pro Arg Ala Pro Thr Ala Arg Lys
50 55 60
Val Arg Arg Gly Val Pro Met Leu Leu Xaa Gly Xaa Met Xaa Trp Trp
65 70 75 80
Ile Xaa Thr Xaa Lys Leu Met Val Pro Thr Xaa Ile Met Gln Tyr Phe
85 90 95

Lys Met Asp Arg Leu His Gln Asn Leu Lys Tyr Pro Lys Trp Arg Xaa
100 105 110

Lys Met Glu Xaa
115

<210> 1744

<211> 125

<212> PRT

<213> Homo sapiens

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<400> 1744

Arg Val Thr Thr Gly Thr Xaa Xaa Val Leu Val Ala Val Asp Lys Gly

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      1             5             10             15
Val Phe Val Leu Asn Lys Xaa Asn Lys Leu Thr Gln Ser Lys Ile Trp
      20             25             30
Asp Val Val Glu Lys Ala Asp Ile Gly Cys Thr Pro Gly Ser Gly Lys
      35             40             45
Asp Tyr Ala Gly Val Phe Ser Asp Ala Gly Leu Thr Xaa Thr Ser Ser
      50             55             60
Ser Gly Gln Gln Thr Ala Gln Xaa Ala Glu Leu Gln Cys Pro Gln Pro
      65             70             75             80
Ala Ala Arg Arg Arg Xaa Ser Val Gln Leu Thr Glu Lys Arg Met Asp
      85             90             95
Lys Val Gly Lys Tyr Pro Lys Glu Leu Xaa Lys Cys Cys Glu Asp Gly
      100            105            110
Ile Arg Glu Asn Pro Met Lys Phe Ser Cys Gln Gly Gly
      115            120            125

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<210> 1745

<211> 74

<212> PRT

<213> Homo sapiens

<400> 1745

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Gly Ala Ala Val Ser Val Lys Met Ile Glu Val Leu Thr Thr Thr Asp
  1             5             10             15
Ser Gln Lys Leu Leu His Gln Leu Asn Ala Leu Leu Glu Gln Glu Ser
      20             25             30
Arg Cys Gln Pro Lys Val Cys Gly Leu Arg Leu Ile Glu Ser Ala His
      35             40             45
Asp Asn Gly Leu Arg Met Thr Ala Arg Leu Arg Asp Phe Glu Val Lys
      50             55             60
Asp Leu Leu Ser Leu Thr Gln Phe Leu Ala
      65             70

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<210> 1746

<211> 38

<212> PRT

<213> Homo sapiens

<400> 1746

Phe Phe Gly His Pro Glu Val Tyr Ile Leu Ile Leu Pro Gly Phe Gly
1 5 10 15
Ile Ile Ser His Ile Val Thr Tyr Tyr Ser Gly Lys Lys Glu Pro Phe
20 25 30
Gly Tyr Ile Gly Met Val
35

<210> 1747

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1747

Leu Val Pro Asn Ser Ala Arg Glu Thr Phe Leu Thr Ile Cys Phe Ile
1 5 10 15
Arg Gln Leu Ile Phe His Phe Thr Ser Lys His His Phe Gly Phe Glu
20 25 30
Ala Ala Ala
35

<210> 1748

<211> 183

<212> PRT

<213> Homo sapiens

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Ala Arg Val Glu Asn Arg Ala Gln Gln His Trp Gly Ser Gly Val Gly
1 5 10 15
Val Lys Lys Leu Cys Glu Leu Gln Pro Glu Glu Lys Cys Cys Val Val
20 25 30
Gly Thr Leu Phe Lys Ala Met Pro Leu Gln Pro Ser Ile Leu Arg Glu
35 40 45
Val Ser Glu Glu His Asn Leu Leu Pro Gln Pro Pro Arg Ser Lys Tyr
50 55 60
Ile His Pro Asp Asp Glu Leu Val Leu Glu Asp Glu Leu Gln Arg Ile
65 70 75 80
Lys Leu Lys Gly Thr Ile Asp Val Ser Lys Leu Val Thr Gly Thr Val
85 90 95
Leu Ala Val Phe Gly Ser Val Arg Asp Asp Gly Lys Phe Leu Val Glu
100 105 110

Asp Tyr Cys Phe Val Asp Leu Ala Pro Gln Lys Pro Xaa Pro Pro Leu
115 120 125

Thr Gln Leu Gly Xaa Val Xaa Gly Val Arg Pro Gly Pro Gly Trp Arg
130 135 140

Trp Arg Arg Glu Xaa Val Gly His Pro Leu Leu Val Asp Xaa Val Thr
145 150 155 160

Gly Gln Phe Gly Asp Glu Gly Xaa His Ala Xaa Xaa Pro Ser Phe Pro
165 170 175

Val Ile Leu Val Xaa Thr Ser
180

<210> 1749
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1749
His Glu Ala Glu Ala Ala Pro Val Gly Arg Ala Arg Gly Cys Cys Lys
1 5 10 15

Ala Glu Val Ala Ala Glu Ala Glu Thr Met Phe Arg Ala Ala Ala Pro
20 25 30

Gly Gln Leu Arg Arg Ala Ala Ser Leu Leu Arg Phe Gln Ser Thr Leu
35 40 45

Val Ile Ala Glu His Ala Asn Asp Ser Leu Ala Pro Ile Thr Leu Asn
50 55 60

Thr Ile Thr Ala Ala Thr Arg Leu Gly Gly Glu Val Ser Cys Leu Val
65 70 75 80

Ala Gly Thr Lys Cys Asp Lys Val Ala Gln Asp Leu Cys Lys Val Ala
85 90 95

Gly Ile Ala Lys Ser Ser Gly Gly Ser Ala
100 105

<210> 1750
<211> 99
<212> PRT
<213> Homo sapiens

<400> 1750

Arg Ser Cys Gly Val Thr Ala Gln Lys Tyr Arg Cys Glu Leu Leu Tyr
1 5 10 15
Glu Gly Pro Pro Asp Asp Glu Ala Ala Met Gly Ile Lys Ser Cys Asp
20 25 30
Pro Lys Gly Pro Leu Met Met Tyr Ile Ser Lys Met Val Pro Thr Ser
35 40 45
Asp Lys Gly Arg Phe Tyr Ala Phe Gly Arg Val Phe Ser Gly Leu Val
50 55 60
Ser Thr Gly Leu Lys Val Arg Ile Met Gly Pro Asn Tyr Thr Pro Gly
65 70 75 80
Lys Lys Glu Asp Leu Tyr Leu Lys Pro Ile Gln Arg Thr Ile Leu Met
85 90 95
Met Gly Arg

<210> 1751

<211> 124

<212> PRT

<213> Homo sapiens

<400> 1751

Ala Ala Gln Pro Arg Leu Met Glu Pro Ile Tyr Leu Val Glu Ile Gln
1 5 10 15
Cys Pro Glu Gln Val Val Gly Gly Ile Tyr Gly Val Leu Asn Arg Lys
20 25 30
Arg Gly His Val Phe Glu Glu Ser Gln Val Ala Gly Thr Pro Met Phe
35 40 45
Val Val Lys Ala Tyr Leu Pro Val Asn Glu Ser Phe Gly Phe Thr Ala
50 55 60
Asp Leu Arg Ser Asn Thr Gly Gly Gln Ala Phe Pro Gln Cys Val Phe
65 70 75 80
Asp His Trp Gln Ile Leu Pro Gly Asp Pro Phe Asp Asn Ser Ser Arg
85 90 95
Pro Ser Gln Val Val Ala Glu Thr Arg Lys Arg Lys Gly Leu Lys Glu
100 105 110

Gly Ile Pro Ala Leu Asp Asn Phe Leu Asp Lys Leu
 115 120

<210> 1752

<211> 180

<212> PRT

<213> Homo sapiens

<400> 1752

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
 1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Gln Phe Ala Arg
 20 25 30

Ser Leu Ser Ala Ala Pro Gln Leu Ser Asp Thr Ala Asp Thr Met Gly
 35 40 45

Phe Gly Asp Leu Lys Ser Pro Ala Gly Leu Gln Val Leu Asn Asp Tyr
 50 55 60

Leu Ala Asp Lys Ser Tyr Ile Glu Gly Tyr Val Pro Ser Gln Ala Asp
 65 70 75 80

Val Ala Val Phe Glu Ala Val Ser Ser Pro Pro Pro Ala Asp Leu Cys
 85 90 95

His Ala Leu Arg Trp Tyr Asn His Ile Lys Ser Tyr Glu Lys Glu Lys
 100 105 110

Ala Ser Leu Pro Gly Val Lys Lys Ala Leu Gly Lys Tyr Gly Pro Ala
 115 120 125

Asp Val Glu Asp Thr Thr Gly Ser Gly Ala Thr Asp Ser Lys Asp Asp
 130 135 140

Asp Asp Ile Asp Leu Phe Gly Ser Asp Asp Glu Glu Glu Ser Glu Glu
 145 150 155 160

Ala Lys Arg Leu Arg Glu Glu Arg Leu Ala Gln Tyr Glu Ser Lys Lys
 165 170 175

Ala Lys Lys Pro
 180

<210> 1753

<211> 126
 <212> PRT
 <213> Homo sapiens

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<400> 1753

Arg Xaa Lys Xaa Xaa Xaa Thr Ala Val Arg Xaa Ser Arg Leu Val Asp
 1 5 10 15

Pro Pro Gly Cys Arg Asn Trp His Glu Val Ser Phe Cys Asp Leu Cys
 20 25 30

Trp Asp Trp Lys Met Ser Ser Gly Asn Ala Lys Ile Gly His Pro Ala
 35 40 45

Pro Asn Phe Lys Ala Thr Ala Val Met Pro Asp Gly Gln Phe Lys Asp
 50 55 60

Ile Ser Leu Ser Asp Tyr Lys Gly Lys Tyr Val Val Phe Phe Phe Tyr
 65 70 75 80

Pro Leu Asp Phe Thr Phe Val Cys Pro Thr Glu Ile Ile Ala Phe Ser
 85 90 95

Asp Arg Ala Glu Glu Phe Lys Lys Leu Asn Cys Gln Val Ile Gly Ala
 100 105 110

Ser Val Asp Ser His Phe Cys His Leu Ala Trp Val Asn Thr
115 120 125

<210> 1754

<211> 62

<212> PRT

<213> Homo sapiens

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<222> (12)

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<400> 1754
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Ser Xaa Gly Gly Xaa Leu
1 5 10 15
Val His Pro Xaa Xaa Val Xaa Xaa Ala Ala His Cys Leu Lys Lys Asn
20 25 30
Ser Gln Xaa Trp Leu Gly Arg His Asn Leu Xaa Glu Pro Xaa Asp Thr
35 40 45
Xaa Gln Arg Val Pro Xaa Ser His Ser Phe Pro His Pro Leu
50 55 60

<210> 1755
<211> 42
<212> PRT
<213> Homo sapiens

<220>
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<400> 1755

Glu	Xaa	Cys	Val	Ser	Xaa	Leu	Gly	Cys	Trp	Arg	Phe	Asn	Pro	Gln	Cys
1				5					10					15	
Phe	His	Xaa	Asn	Arg	Gly	Pro	Ile	Lys	Phe	Asn	Val	Xaa	Gly	His	Ser
			20					25					30		
Arg	Pro	Gly	Glu	Phe	Arg	Gly	Leu	Glu	Xaa						
			35				40								

<210> 1756

<211> 174

<212> PRT

<213> Homo sapiens

<400> 1756

Arg	Glu	Gln	Lys	Leu	Glu	Leu	His	Arg	Gly	Ala	Ala	Ala	Leu	Glu	Leu
1				5					10					15	
Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn	Ser	Ala	Arg	Ala	Gly	Met	Gln	Lys
			20					25					30		
Ala	Asp	Val	Tyr	Ser	Phe	Gly	Ile	Ile	Leu	Gln	Glu	Ile	Ala	Leu	Arg
			35				40					45			
Ser	Gly	Pro	Phe	Tyr	Leu	Glu	Gly	Leu	Asp	Leu	Ser	Pro	Lys	Glu	Ile
	50					55					60				
Val	Gln	Lys	Val	Arg	Asn	Gly	Gln	Arg	Pro	Tyr	Phe	Arg	Pro	Ser	Ile
65					70				75						80
Asp	Arg	Thr	Gln	Leu	Asn	Glu	Glu	Leu	Val	Leu	Leu	Met	Glu	Arg	Cys
				85					90					95	
Trp	Ala	Gln	Asp	Pro	Ala	Glu	Arg	Pro	Asp	Phe	Gly	Gln	Ile	Lys	Gly
			100					105					110		
Phe	Ile	Arg	Arg	Phe	Asn	Lys	Glu	Gly	Gly	Thr	Ser	Ile	Leu	Asp	Asn
		115					120					125			
Leu	Leu	Leu	Arg	Met	Glu	Gln	Tyr	Ala	Asn	Asn	Leu	Glu	Lys	Leu	Val

130 135 140
Glu Glu Arg Thr Gln Ala Tyr Leu Glu Glu Lys Arg Lys Ala Glu Ala
145 150 155 160
Leu Leu Tyr Gln Ile Leu Pro His Ser Val Ala Glu Gln Leu
165 170

<210> 1757

<211> 128

<212> PRT

<213> Homo sapiens

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<222> (3)

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (124)

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<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1757

Glu Thr Xaa Lys Xaa Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro
1 5 10 15

Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly
20 25 30

Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys Leu Gly Glu
35 40 45

Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr Glu Lys Lys
50 55 60

Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
65 70 75 80

Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu
85 90 95

Lys Ser Lys Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu Asp Glu Glu
100 105 110

Asp Glu Glu Glu Glu Glu Asp Glu Glu Asp Glu Xaa Xaa Xaa His Xaa
115 120 125

<210> 1758

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1758

Ala Arg Glu Asn Val Arg Pro Asp Tyr Leu Lys Ala Ile Trp Asn Val
1 5 10 15

Ile Asn Trp Glu Asn Val Thr Glu Arg Tyr Met Ala Cys Lys Lys
20 25 30

<210> 1759

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1759

Arg Glu Gln Lys Xaa Glu Leu His Arg Gly Ala Xaa Arg Ser Arg Thr
1 5 10 15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Ser Ala Arg Gln
20 25 30

Arg Xaa Lys Val Leu Ala His Phe Tyr Gly Val Lys Leu Glu Gly Lys
35 40 45

Val Pro Met His Lys Leu Phe Leu Glu Met Leu Glu Ala Met Met Asp
50 55 60

<210> 1760

<211> 106

<212> PRT

<213> Homo sapiens

<400> 1760

Lys Met Ala Ser Asn Lys Thr Thr Leu Gln Lys Met Gly Lys Lys Gln
1 5 10 15

Asn Gly Lys Ser Lys Lys Val Glu Glu Ala Glu Pro Glu Glu Phe Val
20 25 30

Val Glu Lys Val Leu Asp Arg Arg Val Val Asn Gly Lys Val Glu Tyr
35 40 45

Phe Leu Lys Trp Lys Gly Phe Thr Asp Ala Asp Asn Thr Trp Glu Pro
50 55 60

Glu Glu Asn Leu Asp Cys Pro Glu Leu Ile Glu Ala Phe Leu Asn Ser
65 70 75 80

Gln Lys Ala Gly Lys Glu Lys Asp Gly Thr Lys Arg Lys Ser Leu Ser
85 90 95

Asp Ser Gly Ser Asp Asp Ser Lys Gln Arg
100 105

<210> 1761

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1761

Ala Pro Ala Ser Pro Leu Leu Glu Met Asp Pro Asn Cys Ser Cys Ala
1 5 10 15

Thr Gly Gly Ser Cys Thr Cys Ala Gly Ser Cys Lys Cys Lys Glu Cys
20 25 30

Lys Cys Thr Ser Cys Lys Lys Ser Cys Cys Ser Cys Cys Pro Val Gly
35 40 45

Cys Ala Lys Cys Ala Gln Gly Cys Val Cys Lys Gly Ala Ser Glu Lys
50 55 60

Cys Ser Cys Cys Ala
65

<210> 1762

<211> 41

<212> PRT

<213> Homo sapiens

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<222> (13)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1762

Pro Cys Lys Gly Ser Ile Ile Thr Trp Ser Leu Ile Xaa Asp Leu Tyr
1 5 10 15

Glu Trp Leu His Glu Gly Ser Ser Xaa Leu Leu Leu Leu Thr Ser Glu
20 25 30

Asn Asp Leu Xaa Xaa Lys Arg Arg Ala
35 40

<210> 1763

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1763

Pro Thr Arg Pro Pro Thr Arg Pro Pro Ser Pro Asn Met Ala Ala Ser
1 5 10 15

Ala Lys Lys Lys Asn Lys Lys Gly Lys Thr Ile Ser Leu Thr Asp Phe
20 25 30

Leu Ala Glu Asp Gly Gly Thr Gly Gly Gly Ser Thr Tyr Val Ser Lys
35 40 45

Pro Val Ser Trp Ala Asp Glu Thr Asp Asp Leu Glu Gly Asp Val Ser
50 55 60

Thr Thr Trp His Ser Asn Asp Asp Asp Val Tyr Arg Ala Pro Pro Ile
65 70 75 80

Asp Arg Ser Ile Leu Pro Thr Ala Pro Arg Ala Ala Arg Glu Pro Asn
85 90 95

Ile Asp Arg Ser Arg Leu Pro Lys Ser Pro Pro Tyr Thr Ala Phe Leu
100 105 110

Gly Asn Leu Pro Tyr Asp Val Thr Glu Glu Ser Ile Lys Glu Phe Phe
115 120 125

Arg Gly Leu Asn Ile Ser Ala Val Arg Leu Pro Arg Glu Pro Ser Asn
130 135 140

Pro Glu Xaa Leu Lys Gly Leu Gly Met Leu

145

150

<210> 1764

<211> 80

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (16)

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<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1764

Ala	Xaa	Xaa	Phe	Pro	Tyr	Thr	Val	Asp	Asn	Ala	Arg	Ile	Val	Leu	Xaa
1				5				10					15		
Ile	Asp	Asn	Ala	Arg	Leu	Ala	Ala	Asp	Asp	Phe	Arg	Gly	Xaa	Tyr	Glu
			20					25					30		
Thr	Asp	Leu	Ala	Met	Arg	Xaa	Ser	Val	Xaa	Asn	Asp	Ile	His	Gly	Leu
		35					40					45			
Arg	Lys	Val	Ile	Asp	Asp	Thr	Asn	Ile	Thr	Arg	Leu	Xaa	Leu	Glu	Thr
	50					55					60				
Glu	Ile	Glu	Xaa	Leu	Xaa	Glu	Asp	Leu	Leu	Phe	Met	Xaa	Xaa	Asn	His
65				70						75				80	

<210> 1765

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1765

Phe	Gly	Thr	Arg	Arg	Asn	Val	Lys	Leu	Ile	Ala	Leu	Ser	Ile	Asp	Ser
1					5				10				15		
Val	Glu	Asp	His	Leu	Ala	Trp	Ser	Lys	Xaa	Ile	Asn	Ala	Tyr	Asn	Cys
			20					25					30		

Glu Glu Pro Thr Glu Lys Leu Pro Phe Pro Ile Ile Asp Asp Arg Asn
35 40 45

Arg Glu Leu Ala Ile Leu Leu Gly Met Leu Asp Pro Ala Arg Glu Gly
50 55 60

<210> 1766

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1766

Ile Arg His Glu Gln Ala Ala Ser Ser Pro Glu Pro Thr Gly Cys Leu
1 5 10 15

Leu Ser Gln Arg Arg Pro Leu Ile Thr Val Ala Met Pro Gly Gly Leu
20 25 30

Leu Leu Gly Asp Val Ala Pro Asn Phe Glu Ala Asn Thr Thr Val Gly
35 40 45

Arg Ile Arg Phe His Asp Phe Leu Gly Asp Ser Trp Gly Ile Leu Phe
50 55 60

Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr Thr Glu Leu Gly Arg
65 70 75 80

Ala Ala Lys Trp His Gln Asn Leu Xaa Arg Gly Met Leu Ser
85 90

<210> 1767

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1767

Gly Val Ser Cys Thr Xaa Pro Val Leu Gln Val Gln Arg Val Gln Met
 1 5 10 15

His Leu Leu Gln Glu Glu Leu Leu Leu Leu Pro Cys Gly Cys Ala
 20 25 30

Lys Cys Ala Gln Gly Cys Ile Cys Lys Gly Ala Ser Glu Lys Cys Ser
 35 40 45

Cys Cys Ala
 50

<210> 1768

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1768

Gln Arg Thr Xaa Gly Asn Xaa Xaa Ala Cys Arg Tyr Arg Thr Gly Ile
 1 5 10 15

Pro Gly Ser Thr His Ala Ser Gly Arg Gly His Gly Leu Ile Ala Val
 20 25 30

Cys Ala Leu His Ser Val Pro His Ser Pro Pro Thr Thr Cys Leu Ala
 35 40 45

Glu Arg Thr Pro Cys Arg Arg Pro Ala Glu Met Leu Arg Leu Pro Thr
 50 55 60

Val Phe Arg Gln Met Arg Pro Val Ser Arg Val Leu Ala Pro His Leu
 65 70 75 80

Thr Arg Ala Tyr Ala Lys Asp Val Lys Phe Gly Ala Asp Ala Arg Ala
85 90 95

Leu Met Leu Gln Gly Val Asp Leu Leu Ala Asp Ala Val Ala Val Thr
100 105 110

Met Gly Pro Lys Gly Arg Thr Val Ile Ile Glu Gln Ser Trp Gly Ser
115 120 125

Pro Lys Val Thr Arg Asp Gly Val Thr Val Ala Lys Ser Leu Thr
130 135 140

<210> 1769

<211> 168

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1769

Asn Ser Ala Arg Ala Cys Xaa Ala Glu Arg Thr Xaa Cys Arg Arg Pro
1 5 10 15

Ala Glu Met Leu Arg Leu Pro Thr Val Phe Arg Gln Met Arg Pro Val
20 25 30

Ser Arg Val Leu Ala Pro His Leu Xaa Arg Ala Tyr Ala Lys Xaa Val
35 40 45

Lys Phe Gly Ala Asp Ala Arg Ala Leu Met Leu Gln Gly Val Asp Leu
50 55 60

Leu Ala Asp Ala Val Ala Val Thr Met Gly Pro Lys Gly Arg Thr Val
65 70 75 80

Ile Ile Glu Gln Ser Trp Gly Ser Pro Lys Val Thr Lys Asp Gly Val
85 90 95

Thr Val Ala Lys Ser Ile Asp Leu Lys Asp Lys Tyr Lys Asn Ile Gly
100 105 110

Ala Lys Xaa Val Gln Asp Val Ala Xaa Asn Thr Ile Glu Glu Leu Gly
115 120 125

Met Ala Xaa Pro Cys Tyr Cys Tyr Gly Thr Ser Ile Ala Lys Glu Gly
130 135 140

Phe Glu Lys Val Ser Lys Val Leu Ile His Gly Asn Gln Glu Arg Cys
145 150 155 160

Asp Val Xaa Val Asp Ala Val Leu
165

<210> 1770

<211> 148

<212> PRT

<213> Homo sapiens

<400> 1770

Gly Ala Glu Ala Phe Gly Ala Ala Lys Met Pro Asp Tyr Leu Gly Ala
 1 5 10 15
 Asp Gln Arg Lys Thr Lys Glu Asp Glu Lys Asp Asp Lys Pro Ile Arg
 20 25 30
 Ala Leu Asp Glu Gly Asp Ile Ala Leu Leu Lys Thr Tyr Gly Gln Ser
 35 40 45
 Thr Tyr Ser Arg Gln Ile Lys Gln Val Glu Asp Asp Ile Gln Gln Leu
 50 55 60
 Leu Lys Lys Ile Asn Glu Leu Thr Gly Ile Lys Glu Ser Asp Thr Gly
 65 70 75 80
 Leu Ala Pro Pro Ala Leu Trp Asp Leu Ala Ala Asp Lys Gln Thr Leu
 85 90 95
 Gln Ser Glu Gln Pro Leu Gln Val Ala Arg Cys Thr Lys Ile Ile Asn
 100 105 110
 Ala Asp Ser Glu Asp Pro Lys Tyr Ile Ile Asn Val Lys Gln Phe Ala
 115 120 125
 Lys Phe Val Val Asp Leu Ser Asp Gln Val Ala Pro Thr Asp Ile Glu
 130 135 140
 Glu Gly Met Arg
 145

<210> 1771

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1771

Gly Arg Met Ala Glu Ser Ser Asp Lys Leu Tyr Arg Val Glu Tyr Ala
 1 5 10 15
 Lys Ser Gly Arg Ala Ser Cys Lys Lys Cys Ser Glu Thr Ser Pro Arg
 20 25 30
 Thr Arg Ser Gly Trp Xaa Ser Trp Cys Ile Ala His Val
 35 40 45

<210> 1772

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1772

Leu Glu Ala Glu Xaa Ser Leu Ser Arg Gly Asp Trp Tyr Lys Thr Lys
1 5 10 15

Glu Ile Leu Leu Lys Gly Pro Asp Trp Ile Leu Gly Glu Ile Lys Thr
20 25 30

Ser Gly Leu Arg Gly Arg Gly Gly Ala Gly Phe Pro Asn Gly Leu Lys
35 40 45

Trp Xaa Phe Met Ile Arg Pro Gln Met Ala Gly Pro Ser Ile Trp Trp
50 55 60

Xaa Asn Ala Asn Glu Gly Gly Ala Gly Xaa Leu Xaa Glu Pro Gly Gly
65 70 75 80

Phe

<210> 1773

<211> 145

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1773

Cys Glu Lys Thr Thr Glu Gly Ala Leu Pro Ser Ser Thr Ala Ala Ala
1 5 10 15

Ser Phe Phe Cys Arg Ser Trp Cys Cys Leu Cys Ala Arg Leu Val Arg
20 25 30

Thr Trp Tyr Leu Phe Cys Glu Ala Ala Ala Glu Glu Thr Pro Ala Leu
35 40 45

Ala Met Ala Asp Glu Lys Pro Lys Glu Gly Val Lys Thr Glu Asn Asn
50 55 60

Asp His Ile Asn Leu Lys Val Ala Gly Gln Asp Gly Ser Val Val Gln
65 70 75 80

Phe Lys Ile Lys Arg His Thr Pro Leu Ser Lys Leu Met Lys Ala Tyr
85 90 95

Cys Glu Arg Gln Gly Leu Ser Met Lys Gln Ile Arg Phe Arg Phe Xaa
100 105 110

Gly Gln Pro Ile Asn Xaa Thr Asp Thr Pro Ala Gln Leu Gly Asn Gly
115 120 125

Arg Met Lys Ile Pro Met Met Cys Ser Lys Gln Gln Thr Gly Gly Val
130 135 140

Tyr

145

<210> 1774

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1774

His Ala Ser Ala His Ala Ser Ala Pro Leu Ala Met Ala Ser Leu Thr
1 5 10 15

Val Lys Ala Tyr Leu Leu Gly Lys Glu Asp Ala Ala Arg Glu Ile Arg
20 25 30

Arg Phe Ser Phe Cys Cys Ser Pro Glu Pro Glu Ala Gly Ser Xaa Ala
35 40 45

Ala Ala Gly Pro Gly Pro Leu Arg Ala Ala Ala Glu Pro Gly Gly Arg
50 55 60

Pro Val Pro Arg Ala Ala Ala Trp Arg Leu Ser Arg Arg Thr Thr Ala
65 70 75 80

Ile Glu Asp Gly Asp Leu Leu Leu Phe Ser Ile Asp Glu Asp Leu Thr
85 90 95

Trp Ala Cys Ser Thr Leu Lys Met Asn Leu Xaa Asp Phe Xaa Phe Xaa
100 105 110

Glu Lys Xaa Phe Pro Ala Gly Thr Arg Gln
115 120

<210> 1775

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1775

Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg
1 5 10 15

Asn Glu Leu Arg Val Ala Pro Glu Glu His Pro Thr Leu Leu Thr Glu

20 25 30
Ala Pro Leu Asn Pro Lys Ala Asn Arg Glu Lys Met Thr Gln Ile Met
35 40 45
Phe Glu Thr Phe Asn Val Gln Ala Met Xaa Leu Ala Ile Gln Ala Val
50 55 60
Leu Ser Leu Tyr Ala Ser Gly Xaa Thr Met Glu Ser Cys Trp Thr Leu
65 70 75 80
Glu Met Val Ser Pro Xaa Met Ser Gln Xaa Met Arg Ala Met Leu Xaa
85 90 95
Pro Met Gln Xaa Met Gly Leu Xaa Leu
100 105

<210> 1776

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1776
Pro Leu Arg Gly Asn Val Val Pro Ser Pro Leu Pro Thr Arg Xaa Thr
1 5 10 15
Arg Thr Phe Ser Ala Thr Val Arg Ala Ser Xaa Gly Pro Val Tyr Lys
20 25 30
Gly Val Cys Lys Cys Phe Xaa Arg Ser Lys Gly His Gly Phe Xaa Xaa
35 40 45
Pro Ala Asp Gly Gly Pro Asp Ile Phe Leu His Ile Phe Glu Xaa Xaa
50 55 60
Arg Gly Ser Met Xaa Xaa Trp Lys Ala Thr Arg Ser Xaa Ile Lys Cys
65 70 75 80
Ala Ser Ile Pro Pro Lys Xaa Glu Lys Leu Gln Ala Val Gly Val Arg
85 90 95

His Gln Ser Pro Gly Thr Arg Xaa Gln Val
100 105

<210> 1777

<211> 90

<212> PRT

<213> Homo sapiens

<400> 1777

Gly Leu Asp Met Phe Ser Phe Val Asp Leu Arg Leu Leu Leu Leu
1 5 10 15

Ala Ala Thr Ala Leu Leu Thr His Gly Gln Glu Glu Gly Gln Val Glu
20 25 30

Gly Gln Asp Glu Asp Ile Pro Pro Ile Thr Cys Val Gln Asn Gly Leu
35 40 45

Arg Tyr His Asp Arg Asp Val Trp Lys Pro Glu Pro Cys Arg Ile Cys
50 55 60

Val Cys Asp Asn Gly Lys Val Leu Cys Asp Asp Val Ile Cys Asp Glu
65 70 75 80

Thr Lys Asn Cys Pro Gly Ala Glu Val Pro
85 90

<210> 1778

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1778
 Ile Ile Xaa Asn Thr Glu Asn Leu Val Arg Glu Leu Leu Thr Val Pro
 1 5 10 15
 Asp Asn Tyr Xaa Val Ile Xaa Leu Ala Xaa Lys Trp Val Arg Pro Ile
 20 25 30
 Xaa Cys Cys Pro Leu Xaa Leu Ile Gly Leu Lys Ala Xaa Lys Cys Ala
 35 40 45
 Asp Tyr Val Val Thr Gly Thr Trp Ser Ala Lys Gly Ala Xaa Lys Thr
 50 55 60

<210> 1779
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1779

Trp Leu Ser Ser Thr Ala Met Tyr Ser Ala Ala Gly Arg Asp Leu Gly
1 5 10 15

Met Glu Pro His Arg Ala Ala Gly Pro Leu Pro Ala Ala Asn Phe Arg
20 25 30

Pro Asp Val Phe Asn Gly Gly Asp Tyr Thr Gly Gln Leu Leu Glu Lys
35 40 45

Ile Leu Pro Ile Val Ala Ser Glu Tyr Ser Ile Xaa
50 55 60

<210> 1780

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1780

Thr Leu Xaa Leu His Lys Ile Gln Lys Leu Arg Trp Ala Trp Cys Cys
1 5 10 15

Xaa Pro Ile Val Pro Leu Leu Val Gly Leu Arg Gln Glu Asp His Leu
20 25 30

Ser Pro Gly Gly Arg Gly Tyr Xaa Ala Pro Arg Val His Tyr Cys Thr

35 40 45
Pro Ala Arg Ala Arg Arg Ala Arg Pro Cys Xaa Lys
50 55 60

<210> 1781

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1781

Gly Cys Arg Val Asn Gln Ala Ala Val Xaa Trp His Glu Gln Val Xaa
1 5 10 15

Trp Leu Ser Glu Xaa Arg Xaa Gly Glu Thr Val Tyr Tyr Arg Leu Leu
20 25 30

Pro Xaa Lys Asn Val Xaa Xaa Arg Xaa Ala Arg Gly Leu Val Phe Lys
35 40 45

Glu Cys Arg Gln Ser Ala Ser Met Xaa Arg Val Leu Ala Val Tyr Gly
50 55 60

Val Lys Arg
65

<210> 1782

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1782

Arg Pro Thr Arg Pro Leu Thr Ser Thr Xaa Ala Val Gly Lys Asn Lys
1 5 10 15

Arg Leu Thr Lys Gly Gly Lys Lys Gly Ala Lys Lys Lys Val Val Asp
20 25 30

Pro Phe Ser Lys Lys Asp Trp Tyr Asp Val Lys Ala Pro Ala Met Phe
35 40 45

Asn Ile Arg Asn Ile Gly Lys Thr Leu Val Thr Arg Thr Gln Gly Thr
50 55 60

Lys Ile Ala Ser Asp Gly Leu Lys Gly Arg Val Phe Glu Val Ser Leu
65 70 75 80

Ala Asp Leu Gln Asn Asp Glu Val Ala Phe Arg Lys Phe Lys Leu Ile
85 90 95

Thr Glu Asp Val Gln Gly Lys Asn Cys Leu Thr Asn Phe His Gly Met
100 105 110

Asp Leu Thr Arg Asp Lys Met Cys Ser Met Val Lys Lys Trp Xaa Thr
115 120 125

Met Ile Glu Ala His Val Asp Val Lys Thr Thr Asp Gly Tyr Leu Leu
130 135 140

Arg Cys Ser Xaa Xaa Xaa Xaa Leu
145 150

<210> 1783

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1783

His Arg Val Arg Gln Arg Xaa Pro Thr Leu Ala Arg Ala Met Ala Ser
1 5 10 15

Val Ser Glu Leu Ala Cys Ile Tyr Ser Ala Leu Ile Leu His Asp Asp
20 25 30

Glu Val Thr Val Thr Glu Asp Lys Ile Asn Ala Leu Ile Lys Ala Ala
35 40 45

Gly Val Asn Val Glu Pro Phe Trp Pro Gly Leu Phe Ala Lys Ala Leu
50 55 60

Ala Asn Val Asn Ile Gly Ser Leu Ile Cys Asn Val Gly Ala Gly Gly
65 70 75 80

Pro Xaa Pro Ala Ala Gly Ala Ala Pro Ala Gly Gly Pro Ala Pro Ser
85 90 95

Thr Ala Ala Ala Pro Ala Glu Glu Lys Lys Val Glu Ala Lys Lys Glu
100 105 110

Glu Ser Glu Glu Ser Tyr Asp Asp Met Gly Phe Gly Leu Phe Asp
115 120 125

<210> 1784

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1784

Gly Ser Ala Ala Gly Ser Thr Ala Xaa Ser Leu Leu Ser Thr Gly Xaa
 1 5 10 15

Pro Arg Pro Thr Arg Pro Asp Lys Ala Arg Arg Leu Gly Tyr Lys Ala
 20 25 30

Lys Gln Gly Tyr Val Ile Tyr Arg Ile Arg Val Arg Arg Gly Gly Arg
 35 40 45

Lys Arg Pro Val Pro Lys Gly Ala Thr Tyr Gly Lys Pro Val His His
 50 55 60

Gly Val Xaa Xaa Leu Lys Phe Ala Arg Ser Leu Gln Ser Val Ala Glu
 65 70 75 80

Glu Arg Ala Gly Arg His Cys Gly Ala Leu Arg Val Leu Asn Ser Tyr
 85 90 95

Trp Val Gly Glu Asp
 100

<210> 1785

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1785

Ala Lys Met Gly Ala Tyr Lys Tyr Ile Gln Glu Leu Trp Arg Lys Lys
 1 5 10 15

Gln Ser Asp Val Met Arg Phe Leu Leu Arg Val Arg Cys Trp Gln Tyr
 20 25 30

Arg Gln Leu Ser Ala Leu His Arg Ala Pro Arg Pro Thr Arg Pro Asp
 35 40 45

Lys Ala Arg Arg Leu Gly Tyr Lys Ala Lys Gln Gly Tyr Val Ile Tyr
 50 55 60

Arg Ile Arg Val Arg Arg Gly Gly Arg Lys Arg Pro Val Pro Lys Gly
 65 70 75 80

Ala Ile Thr Ala Ser Leu Ser Ile Met Val Leu Thr Ala Lys Val Cys
85 90 95

Ser Lys Pro Ser Val Arg Cys Arg Gly Ala Ser Trp Thr Pro Leu Trp
100 105 110

Gly Ser Glu Ser Pro Glu Phe Leu Leu Gly Trp
115 120

<210> 1786

<211> 137

<212> PRT

<213> Homo sapiens

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<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1786

Ile	Xaa	Ile	Lys	Xaa	Thr	Xaa	Thr	Xaa	Gly	Xaa	Lys	Leu	Xaa	Leu	His
1				5					10					15	
Arg	Gly	Gly	Gly	Arg	Ser	Ser	Thr	Ser	Gly	Ser	Pro	Gly	Ser	Ala	Gly
			20					25					30		
Ile	Arg	His	Glu	Arg	Xaa	Lys	Arg	Asp	Asp	Glu	Gly	Thr	Ser	Ser	Phe
		35					40					45			
Gly	Lys	Arg	Arg	Asn	Lys	Thr	His	Xaa	Leu	Cys	Arg	Arg	Cys	Gly	Ser
	50					55					60				
Lys	Ala	Tyr	His	Leu	Gln	Lys	Ser	Thr	Cys	Gly	Lys	Cys	Gly	Tyr	Pro
65					70					75					80
Ala	Lys	Arg	Lys	Arg	Lys	Tyr	Asn	Trp	Ser	Ala	Lys	Ala	Lys	Arg	Arg
				85					90					95	
Asn	Thr	Thr	Gly	Thr	Gly	Arg	Met	Arg	His	Leu	Lys	Ile	Val	Tyr	Arg
			100					105					110		
Arg	Phe	Arg	His	Gly	Phe	Arg	Glu	Gly	Thr	Thr	Pro	Lys	Pro	Lys	Arg
		115					120					125			
Ala	Ala	Val	Ala	Ala	Ser	Ser	Ser	Ser							
		130					135								

<210> 1787

<211> 128

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1787

Leu Xaa Leu Thr Lys Gly Xaa Lys Ser Trp Gly Ser Thr Ala Val Thr
 1 5 10 15
 Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
 20 25 30
 Gly Arg Gly Asp Met Ala Lys Arg Thr Lys Lys Val Gly Ile Val Gly
 35 40 45
 Lys Tyr Gly Thr Arg Tyr Gly Ala Ser Leu Arg Lys Met Val Lys Lys
 50 55 60
 Ile Glu Ile Ser Gln His Ala Lys Tyr Thr Cys Ser Phe Cys Gly Lys
 65 70 75 80
 Thr Lys Met Lys Arg Arg Ala Val Gly Ile Trp His Cys Gly Ser Cys
 85 90 95
 Met Lys Thr Val Ala Gly Gly Ala Trp Thr Tyr Asn Thr Thr Ser Ala
 100 105 110
 Val Thr Val Lys Ser Ala Ile Arg Arg Leu Lys Glu Leu Lys Asp Gln
 115 120 125

<210> 1788

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1788

Arg Gly Asp Met Ala Lys Arg Thr Lys Lys Val Gly Ile Val Gly Lys
 1 5 10 15
 Tyr Gly Thr Arg Tyr Gly Ala Ser Leu Arg Lys Met Val Lys Lys Ile
 20 25 30
 Glu Ile Ser Gln His Ala Lys Tyr Thr Cys Ser Phe Cys Gly Lys Thr
 35 40 45
 Lys Met Lys Arg Arg Ala Val Gly Ile Trp His Cys Gly Ser Cys Met
 50 55 60
 Lys Thr Val Ala Gly Gly Ala Trp Thr Tyr Asn Thr Thr Ser Ala Val
 65 70 75 80
 Thr Val Lys Ser Ala Ile Arg Arg Leu Lys Glu Leu Lys Asp Gln

85

90

95

<210> 1789

<211> 113

<212> PRT

<213> Homo sapiens

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<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1789

Gln Ser Leu Gly Arg Gly Asp Met Ala Lys Arg Thr Lys Lys Val Gly

1

5

10

15

Ile Val Gly Lys Tyr Gly Thr Arg Tyr Gly Ala Ser Leu Arg Lys Met

20

25

30

Val Lys Lys Ile Glu Ile Ser Gln His Ala Lys Tyr Thr Cys Ser Phe

35

40

45

Cys Gly Lys Thr Lys Met Lys Arg Arg Ala Val Gly Ile Trp His Cys

50

55

60

Gly Ser Cys Met Lys Thr Val Xaa Gly Gly Xaa Trp Thr Tyr Asn Thr
65 70 75 80
Thr Ser Ala Val Thr Val Lys Val Arg His Gln Lys Xaa Glu Gly Val
85 90 95
Glu Arg Pro Leu Asp Val Pro Xaa Xaa Phe Gly Thr Ser Leu Xaa Tyr
100 105 110

Asn

<210> 1790
<211> 24
<212> PRT
<213> Homo sapiens

<400> 1790
Ile Pro Cys Leu Lys Pro Lys Asn Phe Gly Ile Gly Gln Asp Ile Gln
1 5 10 15

Pro Lys Arg Asp Ser Pro Ala Leu
20

<210> 1791
<211> 70
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1791

Arg Arg Cys Ala Leu Arg Ala Val Asp Phe Ala Glu Arg Asn Gly Tyr
1 5 10 15

Ile Lys Gly Ile Val Lys Asp Ile Ile His Asp Pro Gly Arg Gly Xaa
20 25 30

Pro Leu Ala Lys Val Val Phe Arg Asp Pro Xaa Arg Leu Arg Ser Xaa
35 40 45

Xaa Glu Leu Phe Ile Ala Ala Glu Gly Ile His Thr Gly Gln Phe Val
50 55 60

Tyr Cys Arg Lys Lys Ala
65 70

<210> 1792

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (28)

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<220>
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<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1792
Gly Arg Val Xaa Arg Pro Thr Arg Pro Xaa Glu Xaa Arg Gly Gly Gly
1 5 10 15
Gly Leu Gly Ala Phe Lys Ile Gln Leu His Xaa Xaa Ala Thr Gly Met
20 25 30
Ala Glu Glu Gly Ile Ala Ala Gly Gly Val Met Asp Val Asn Thr Ala
35 40 45
Leu Gln Glu Val Leu Lys Thr Ala Leu Xaa His Asp Gly Leu Ala Arg

50 55 60
 Gly Ile Arg Glu Ala Ala Lys Ala Leu Asp Lys Arg Gln Ala His Leu
 65 70 75 80
 Cys Xaa Leu Ala Ser Asn Xaa Asp Glu Pro Met Tyr Xaa Lys Xaa Xaa
 85 90 95
 Glu Ala Leu Xaa Ala Glu His Gln Xaa Asn Leu Ile Lys Gly
 100 105 110

<210> 1793

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1793

Leu Val Pro Asn Ser Ala Arg Ala Ala Ile Met Gly Arg Met His Ala
 1 5 10 15
 Pro Gly Lys Gly Leu Ser Gln Ser Ala Leu Pro Tyr Arg Arg Ser Val
 20 25 30
 Pro Thr Trp Leu Lys Leu Thr Ser Asp Xaa Xaa Lys Glu Gln Ile Tyr
 35 40 45
 Lys Leu Ala Lys Lys Gly Leu Thr Pro Ser Gln Ile Gly Val Ile Leu
 50 55 60
 Arg Asp Ser His Gly Val Ala Gln Val Arg Phe Val Thr Gly Asn Lys
 65 70 75 80
 Ile Leu Arg Ile Leu Lys Ser Lys Gly Leu Ala Pro
 85 90

<210> 1794

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1794

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Ile Ala Ile Val Asn Asp Thr Val Thr Ile Arg Thr Arg Lys Phe Met
 1              5              10              15

Thr Asn Arg Leu Leu Gln Arg Lys Gln Met Val Ile Asp Val Leu His
      20              25              30

Pro Gly Lys Ala Thr Val Pro Lys Thr Glu Ile Arg Glu Lys Leu Ala
      35              40              45

Lys Met Tyr Lys Thr Thr Pro Asp Val Ile Phe Val Phe Gly Phe Arg
      50              55              60

Thr His Phe Gly Gly Gly Lys Thr Thr Gly Phe Gly Met Ile Tyr Asp
      65              70              75              80

Ser Leu Asp Tyr Ala Lys Lys Asn Glu Pro Lys His Arg Leu Ala Arg
      85              90              95

His Gly Leu Tyr Glu Lys Lys Lys Thr
      100              105

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<210> 1795

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1795

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Val Asp Pro Arg Val Arg Tyr Asp Thr Lys Gly Arg Phe Ala Val His
 1              5              10              15

Arg Ile Thr Pro Glu Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys
      20              25              30

Ile Phe Val Gly Thr Lys Gly Ile Pro His Leu Val Thr His Asp Ala
      35              40              45

Arg Thr Ile Arg Tyr Pro Asp Pro Leu Ile Lys Val Asn Asp Thr Ile
      50              55              60

Gln Ile Asp Leu Glu Thr Gly Lys Ile Thr Asp Phe Ile Lys Phe Asp
      65              70              75              80

Thr Gly Asn Leu Cys Met Val Thr Gly Gly Ala Asn
      85              90

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<210> 1796
 <211> 130
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1796
 Gly Ile Phe Arg Asp Asn Trp His Lys Arg Arg Lys Thr Gly Gly Lys
 1 5 10 15
 Arg Lys Pro Tyr His Lys Lys Arg Lys Tyr Glu Leu Gly Arg Pro Ala
 20 25 30
 Ala Asn Thr Lys Ile Gly Pro Arg Arg Ile His Thr Val Arg Val Arg
 35 40 45
 Gly Gly Asn Lys Lys Tyr Arg Ala Leu Arg Leu Asp Val Gly Asn Phe
 50 55 60
 Ser Trp Gly Ser Glu Cys Cys Thr Arg Lys Thr Arg Ile Ile Asp Val
 65 70 75 80
 Val Tyr Asn Ala Ser Asn Asn Glu Leu Xaa Arg Thr Lys Thr Leu Val
 85 90 95
 Lys Asn Cys Ile Xaa Leu Ile Asp Ser Thr Pro Tyr Arg Gln Trp Tyr
 100 105 110
 Xaa Val Pro Leu Cys Ala Ala Pro Gly Pro Gln Glu Gly Ser Gln Ala
 115 120 125
 Asp Ser
 130

<210> 1797
<211> 106
<212> PRT
<213> Homo sapiens

<220>
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<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1797

Pro Arg Ala Gly Gly Cys Gly Gly Ser Gly Arg Val Thr Ala Cys Leu
1 5 10 15

Cys Ala Cys Ala Thr Leu Val Trp Pro Pro Arg Phe Gln Glu Val Leu
20 25 30

Leu Val Leu Ser Gly Leu Val His Ala Arg Gly Cys Thr Tyr Xaa Gln
35 40 45

Leu Trp Ser Arg Ser His Pro Phe Cys Cys Xaa Arg Gly Pro Leu Ala
50 55 60

Met Ala Gly Ile Leu Phe Glu Asp Ile Phe Asp Val Lys Asp Ile Xaa
65 70 75 80

Pro Glu Gly Lys Lys Phe Xaa Arg Val Ser Arg Xaa His Cys Glu Ser
85 90 95

Glu Xaa Xaa Arg Trp Xaa Xaa Thr Lys Xaa
100 105

<210> 1798

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (6)

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<222> (13)

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<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1798

Lys Xaa Xaa Glu Pro Xaa Xaa Arg Ile Glu Arg Ala Xaa Xaa Xaa Xaa
1 5 10 15

Leu Lys Lys Ser Gly Lys Leu Lys Val Pro Glu Trp Val Asp Thr Val
20 25 30

Lys Leu Ala Lys His Lys Glu Leu Ala Pro Tyr Asp Glu Asn Trp Phe
35 40 45

Tyr Thr Arg Ala Ala Ser Thr Ala Arg His Leu Tyr Leu Arg Gly Gly
50 55 60

Ala Gly Val Gly Ser Met Thr Lys Ile Tyr Gly Gly Arg Gln Arg Asn
65 70 75 80

Gly Val Met Pro Ser His Phe Ser Arg Gly Ser Lys Ser Val Ala Arg
85 90 95

Arg Val Leu Gln Ala Leu Glu Gly Leu Lys Met Val Glu Lys Asp Gln
100 105 110

Asp Gly Gly Arg Lys Leu Thr Pro Gln Gly Gln Arg Asp Leu Asp Arg
115 120 125

Ile Ala Gly Gln Val Ala Ala Ser Asn Lys Lys His
130 135 140

<210> 1799
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1799
 Val Asp Pro Arg Val Arg Lys Thr Val Xaa Glu Leu Asp Lys Gly Met
 1 5 10 15
 Gln Glu Arg Thr Gly Ala Ala Thr Ala Arg Arg Glu Ser Leu Pro Gln
 20 25 30
 Ala Asn Asn Pro Glu Gln Leu Cys Lys Gln Arg Cys Ile Asn Glu Ala
 35 40 45
 Ser Trp Thr Met Lys Leu Val Leu Ser Cys Val Pro Glu Pro Thr Val
 50 55 60
 Val Met Ala Ala Arg Ala Leu Cys Met Leu Gly Leu Val Leu Ala Leu
 65 70 75 80
 Leu Ser Ser Ser Ser Ala Arg Glu Leu Arg Gly Ala Cys Leu Pro Asn
 85 90 95
 Gln Cys Ala Val Pro Ala Lys Asp Arg Val Glu Leu Arg Leu Thr Pro
 100 105 110
 Met Phe Thr Pro Lys Asp Cys Lys Asn Arg Gly Cys Cys Xaa
 115 120 125

<210> 1800
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
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<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1800

Gly	Tyr	Leu	His	Ser	Leu	Asn	Ile	Val	Tyr	Arg	Asp	Leu	Lys	Pro	Glu
1				5					10				15		

Asn	Ile	Leu	Leu	Asp	Ser	Gln	Gly	His	Ile	Val	Leu	Thr	Asp	Phe	Gly
		20					25					30			

Leu	Cys	Lys	Glu	Asn	Ile	Glu	His	Asn	Ser	Thr	Thr	Ser	Thr	Phe	Cys
	35					40				45					

Gly	Thr	Pro	Glu	Tyr	Leu	Ala	Pro	Glu	Val	Leu	His	Lys	Gln	Pro	Tyr
50					55					60					

Asp	Arg	Thr	Val	Asp	Trp	Trp	Cys	Leu	Gly	Ala	Phe	Leu	Tyr	Glu	Met
65				70					75					80	

Leu	Tyr	Gly	Leu	Pro	Pro	Phe	Tyr	Ser	Arg	Asn	Thr	Ala	Glu	Met	Tyr
			85						90					95	

Asp	Asn	Ile	Leu	Asn	Lys	Pro	Leu	Gln	Leu	Lys	Pro	Asn	Ile	Thr	Asn
	100						105					110			

Ser	Ala	Arg	His	Leu	Leu	Glu	Gly	Leu	Leu	Xaa	Lys	Asp	Xaa	Thr	Lys
	115					120						125			

Arg	Leu	Gly	Gly	Xaa	Gly	Asp	Phe	Met	Glu	Ile	Lys
130					135					140	

<210> 1801

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

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<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1801

Ala	Thr	Met	Pro	Gln	Tyr	Gln	Thr	Trp	Glu	Glu	Phe	Ser	Arg	Ala	Ala
1				5				10						15	

Glu	Lys	Leu	Tyr	Leu	Ala	Asp	Pro	Met	Lys	Ala	Arg	Val	Val	Leu	Lys
		20					25					30			

Tyr	Arg	His	Ser	Asp	Gly	Asn	Leu	Cys	Val	Lys	Val	Thr	Asp	Asp	Leu
		35				40						45			

Val	Cys	Leu	Val	Tyr	Lys	Thr	Asp	Gln	Ala	Gln	Asp	Val	Lys	Lys	Ile
	50					55				60					

Glu	Lys	Phe	His	Ser	Gln	Leu	Met	Arg	Leu	Ile	Val	Xaa	Gln	Gly	Ala
65					70					75					80

Xaa	Asn	Leu	Pro	Trp	Glu	Leu	Ser	Glu	Trp	Phe	Xaa
		85							90		

<210> 1802

<211> 176

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1802

Arg Gly Ala Xaa Arg Ser Arg Thr Ser Gly Ser Pro Gly Xaa Ala Gly

1

5

10

15

Ile Arg Xaa Arg Xaa Val Ser Gln Lys Thr Val Ile Ile Lys Glu Glu
20 25 30
Glu Glu Asp Thr Ala Glu Lys Pro Gly Lys Glu Glu Asp Val Val Thr
35 40 45
Pro Lys Pro Xaa Lys Arg Lys Arg Asp Gln Ala Glu Glu Glu Pro Asn
50 55 60
Arg Ile Pro Ser Arg Xaa Leu Arg Arg Thr Lys Leu Asn Gln Glu Ser
65 70 75 80
Thr Ala Pro Lys Val Leu Phe Thr Gly Val Val Asp Ala Arg Gly Xaa
85 90 95
Arg Ala Val Leu Ala Trp Gly Glu Ile Trp Leu Val His Gly Gln Ser
100 105 110
Phe Pro Xaa Val His Gly Ser His Pro Pro Asp Ile Gln Phe Leu Cys
115 120 125
Gly Pro Gly Ala Gly Xaa Ser Pro Phe Cys Ser Xaa Asp Gly Trp His
130 135 140
His Ser Arg Gln Ala Gly Phe Leu Leu Thr Pro Asp Glu Tyr Val Val
145 150 155 160
Asn Asp Xaa Ala Pro Xaa Glu Glu Phe Gly Phe Thr Phe Lys Thr His
165 170 175

<210> 1803

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1803

Gly Ser Leu Ala Val Thr Lys Asn Asp Gly His Tyr Arg Gly Asp Pro
1 5 10 15
Asn Trp Phe Met Lys Tyr Val Ala Pro Arg Glu Leu Gly Ser Pro His
20 25 30
Gly Val Gly Gly Gly Leu Phe
35

<210> 1804
<211> 42
<212> PRT
<213> Homo sapiens

<400> 1804

Gly Ser Leu Leu Ser Pro Asp Met Ala Asn Lys Gly Pro Ser Tyr Gly
1 5 10 15

Met Ser Arg Glu Val Gln Ser Lys Ile Glu Lys Lys Tyr Asp Glu Glu
20 25 30

Leu Gly Gly Ala Ala Gly Gly Val Gly Pro
35 40

<210> 1805
<211> 165
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (114)
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1805

Phe Gly Thr Arg Leu Asp Gln Ile Arg Gln Arg Glu Ser Asp Ile Thr
1 5 10 15

Lys Glu Arg Ile Gln Lys Ile Leu Ala Thr Gly Ala Asn Val Ile Leu
20 25 30

Thr Thr Gly Gly Ile Asp Asp Met Cys Leu Lys Tyr Phe Val Glu Ala
35 40 45

Gly Ala Met Ala Val Arg Arg Val Leu Lys Arg Asp Leu Lys Arg Ile
50 55 60

Ala Lys Ala Ser Gly Ala Thr Ile Leu Ser Thr Leu Ala Asn Leu Glu
65 70 75 80

Gly Glu Glu Thr Phe Glu Ala Ala Met Leu Gly Gln Ala Glu Glu Val
85 90 95

Val Gln Glu Arg Phe Cys Asp Asp Glu Leu Ile Leu Ile Xaa Ile Pro
100 105 110

Arg Xaa Asp Gly Xaa Ile Gly Phe Phe Arg Gly Ala Lys Phe Ser Arg
115 120 125

Xaa Xaa Gly Gly Gly Leu Xaa Lys Xaa Leu Phe Gly Xaa Xaa Phe Gly
130 135 140

Xaa Ile Gly Xaa Pro Gly Val Leu Lys Xaa Xaa Xaa Pro Lys Ile Xaa
145 150 155 160

Pro Gly Xaa Asp Leu
165

<210> 1806

<211> 91

<212> PRT

<213> Homo sapiens

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<222> (11)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1806
Ile Ala Gly Lys Leu Gln Asp Gly Leu Leu Xaa Ile Thr Xaa Xaa Ser
1 5 10 15
Phe Xaa Ala Pro Trp Asn Ser Leu Ser Leu Ala Xaa Ala Gly Ala Ser
20 25 30
Pro Arg Pro Thr Leu Leu Ala Val Arg Asn Ala Gln Cys Phe Pro Val
35 40 45
Tyr Pro Ser Pro Val Lys Leu Gln Ser Gly Thr His Cys Leu Trp Thr
50 55 60
Asp Gln Leu Leu Gln Gly Ser Glu Lys Gly Phe Gln Phe Pro Xaa Thr
65 70 75 80
Leu Xaa Gly Leu Thr Ser Gly Ser Xaa Gly Leu
85 90

<210> 1807
<211> 123
<212> PRT
<213> Homo sapiens

<220>
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<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1807
Ala Arg Pro Ser Arg Arg Arg Arg Arg Arg Arg Pro Leu Gly Leu
1 5 10 15
Ala Met Ser Ser Ser Pro Val Lys Arg Gln Arg Met Glu Ser Ala Leu
20 25 30
Asp Gln Leu Lys Gln Phe Thr Thr Val Val Ala Asp Thr Gly Asp Phe
35 40 45
His Ala Ile Asp Glu Tyr Lys Pro Gln Asp Ala Thr Thr Asn Pro Ser
50 55 60
Leu Ile Leu Ala Ala Ala Gln Met Pro Ala Tyr Gln Glu Leu Val Glu
65 70 75 80
Glu Ala Ile Ala Tyr Gly Arg Lys Leu Gly Gly Ser Gln Glu Asp Gln
85 90 95
Ile Lys Asn Ala Ile Xaa Lys Leu Phe Val Leu Phe Gly Ala Glu Ile
100 105 110
Leu Lys Lys Ile Pro Gly Arg Val Ser Thr Glu
115 120

<210> 1808
<211> 131
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1808

Arg	Leu	Arg	Gly	Gly	Cys	Ser	Val	Leu	Ser	Val	Gln	Ala	Ala	Ala	Gly
1				5					10					15	
Leu	Ser	Gln	Arg	Arg	Pro	Pro	Phe	Thr	Leu	Arg	Ala	Arg	Ser	Pro	Ala
			20					25					30		
Val	Leu	Pro	Phe	Arg	Cys	Pro	Pro	Cys	His	His	Asp	Gly	Thr	Gly	His
		35					40					45			
Leu	Leu	Arg	Gln	Arg	Leu	Leu	Gly	Arg	Xaa	Ile	Ala	Ala	Ala	Ile	Ser
	50					55					60				
Lys	Thr	Ala	Val	Ala	Pro	Ile	Glu	Arg	Val	Lys	Leu	Leu	Leu	Gln	Val
65					70					75					80
Gln	His	Ala	Ser	Lys	Gln	Ile	Ala	Ala	Asp	Lys	Gln	Tyr	Lys	Gly	Ile
				85					90					95	
Val	Asp	Cys	Ile	Val	Arg	Ile	Pro	Arg	Ser	Arg	Arg	Val	Ser	Phe	Trp
		100						105					110		
Arg	Xaa	Thr	Leu	Gln	Arg	His	Arg	Tyr	Phe	Pro	Xaa	Lys	Pro	Gln	Phe
		115					120					125			
Ala	Ser	Arg													
	130														

<210> 1809

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1809

Asp	Trp	Ser	Lys	Val	Val	Leu	Ala	Tyr	Glu	Pro	Val	Trp	Ala	Ile	Gly
1				5					10					15	

Thr Gly Lys Thr Ala Thr Pro Gln Gln Ala Gln Glu Val His Glu Lys
20 25 30

Leu Arg Gly Trp Leu Lys Ser Asn Val Ser Asp Ala Val Ala Xaa Ser
35 40 45

Thr Arg Ile Ile Tyr Gly Gly Ser Val Thr Gly Ala Thr Cys Lys Glu
50 55 60

Leu Ala Ser Gln Pro Asp Val Asp Gly Phe Leu Val Gly Gly Ala Ser
65 70 75 80

Leu Lys Pro Glu Phe Val Asp Ile Ile Asn Ala Lys Gln
85 90

<210> 1810

<211> 150

<212> PRT

<213> Homo sapiens

<220>

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<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (64)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1810

Ile Arg His Glu Gly Arg Gly Ile Xaa Ile Glu Arg Val Val Ser Ser
1 5 10 15

Glu Gly Gly Arg Pro Ser Val Asp Leu Ser Phe Gln Pro Ser Lys Pro
20 25 30

Leu Ser Lys Ser Ser Ser Ser Pro Glu Leu Gln Thr Leu Gln Asp Ile
35 40 45

Leu Gly Asp Pro Gly Asp Lys Ala Asp Val Gly Arg Xaa Ser Pro Xaa
50 55 60

Val Lys Ala Arg Ser Gln Ser Gly Xaa Leu Asp Gly Glu Ser Xaa Ala
65 70 75 80

Trp Ser Val Ser Gly Glu Asp Ser Xaa Xaa Gln Pro Glu Gly Pro Leu
85 90 95

Thr Ser Arg Xaa Pro Arg Phe Ala Gln Val Xaa Ser Gly Pro Val Gly
100 105 110

Tyr Asn Ile Xaa Xaa Xaa Xaa Pro Ser Arg Xaa Gly Lys Xaa Leu Glu
115 120 125

Arg Asp Ala Leu Arg Ala Glu His Ser Xaa Ile Gln Arg Ser Ser Arg
130 135 140

Ile Thr Xaa Phe Val Ser
145 150

<210> 1811

<211> 189

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1811

Gly	Arg	Xaa	Gln	Pro	Ser	Leu	Lys	Gly	Thr	Lys	Ala	Gly	Ala	Pro	Pro
1				5					10					15	

Arg	Cys	Gly	Arg	Ser	Arg	Thr	Ser	Gly	Ser	Pro	Gly	Leu	Gln	Glu	Phe
			20					25					30		

Gly	Thr	Ser	Glu	Asp	Glu	Ile	Asn	Arg	Arg	Thr	Ala	Ala	Glu	Asn	Glu
		35					40					45			

Phe	Val	Val	Leu	Lys	Lys	Asp	Val	Asp	Ala	Ala	Tyr	Met	Ser	Lys	Val
	50					55					60				

Glu	Leu	Glu	Ala	Lys	Val	Asp	Ala	Leu	Asn	Asp	Glu	Ile	Asn	Phe	Leu
65					70					75					80

Arg	Thr	Leu	Asn	Glu	Thr	Glu	Leu	Thr	Glu	Leu	Gln	Ser	Gln	Ile	Ser
			85					90						95	

Asp	Thr	Ser	Val	Val	Leu	Ser	Met	Asp	Asn	Ser	Arg	Ser	Leu	Asp	Leu
			100					105					110		

Asp	Gly	Ile	Ile	Ala	Glu	Val	Lys	Ala	Gln	Tyr	Glu	Glu	Met	Ala	Lys
	115						120					125			

Cys	Ser	Arg	Ala	Glu	Ala	Glu	Ala	Trp	Tyr	Gln	Thr	Lys	Phe	Glu	Thr
	130					135					140				

Leu	Gln	Ala	Gln	Ala	Gly	Lys	His	Gly	Asp	Asp	Leu	Arg	Asn	Thr	Arg
145					150				155					160	

Asn	Xaa	Ile	Ser	Glu	Met	Asn	Arg	Ala	Xaa	Gln	Arg	Leu	Gln	Ala	Glu
			165					170					175		

Ile	Xaa	Asn	Ile	Lys	Asn	Gln	Arg	Ala	Lys	Leu	Glu	Ala
		180						185				

<210> 1812
<211> 42
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (26)
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<400> 1812
Leu Leu Ala Ser Leu Ala Asn Leu Ala Leu Pro Xaa Xaa Ile Asn Leu
1 5 10 15
Leu Gly Glu Leu Ser Val Ala Ser Asn Xaa Val Leu Leu Ile Lys Tyr
20 25 30
His Ser Pro Thr Tyr Arg Asn Ser Thr Tyr
35 40

<210> 1813
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1813
Trp Pro Pro Val Leu Ala Phe Leu Gly Cys Val Trp Ser Leu Gly Pro
1 5 10 15
Cys Leu Trp Gly Lys Ser Asn Arg Thr Leu Ala Leu Pro Lys Met Lys
20 25 30
Gly Glu Glu Met Gly Leu Leu Phe Leu Ser Pro Glu Trp Glu Arg Ser
35 40 45
Ser Gly Gly Trp Ser Phe Ser Thr Glu Glu Gly Ser Leu Lys Ala Leu
50 55 60
Leu Thr Ser Cys Cys Thr Phe Cys Ile Ser Leu His Ala His Cys Leu
65 70 75 80
Phe Leu Phe Leu Ala Leu Ala Pro Val Pro Val Pro Ala Pro Ala Asn
85 90 95
Ala Lys Met Gln Met His Xaa Leu Ala Xaa Arg Val Xaa Ala Gly Leu
100 105 110
Ser Cys Glu Xaa Gly Gly Trp Ala Xaa
115 120

<210> 1814
<211> 28
<212> PRT
<213> Homo sapiens

<220>
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<222> (17)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1814

Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Arg	Glu
1			5				10					15	

Xaa	Xaa	Pro	Xaa	Ser	Ala	Pro	His	Xaa	Ser	Ser	Pro
			20				25				

<210> 1815

<211> 79

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1815

Ile	Arg	Xaa	Ser	Gly	Asn	Ala	Asn	Xaa	Glu	Asn	Gly	Glu	Gln	Glu	Ala
1				5					10					15	

Asp Asn Glu Val Asp Glu Xaa Glu Glu Glu Gly Gly Glu Glu Glu Glu

20 25 30
 Glu Glu Glu Glu Gly Asp Gly Glu Glu Glu Asp Gly Asp Glu Asp Glu
 35 40 45
 Glu Ala Glu Xaa Ser Tyr Gly Pro Ser Gly Gln Leu Lys Met Met Arg
 50 55 60
 Met Thr Met Ser Ile Pro Arg Ser Arg Arg Pro Thr Arg Met Thr
 65 70 75

<210> 1816
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 1816
 Lys Leu Lys Pro Gly Ala Ile Asp Ile Val Pro Gln Gly Lys Met Lys
 1 5 10 15
 Asn Tyr Asn Gln Ala
 20

<210> 1817
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 1817
 Gly Lys Arg Gly Glu Ala Phe Pro Arg Ser Ser Gln Arg Trp Arg Phe
 1 5 10 15
 Gly Arg Gly Phe Gly Gly Cys Ser Arg Phe Ala Gly Thr Leu Val Ile
 20 25 30
 Ser Leu Ala Pro Leu Leu Pro Ala His Ser Pro Gly Leu Ala Gln Tyr
 35 40 45
 Ile Gly Thr Cys Gly Phe Tyr Phe Val Phe Asp Val Pro Asp Arg Asn
 50 55 60
 Arg Ala Arg Gly Thr Ala Lys Thr Thr Val Gly Ser
 65 70 75

<210> 1818

<211> 76
<212> PRT
<213> Homo sapiens

<220>
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<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1818

His Xaa Ile Xaa Xaa Tyr Xaa Xaa Pro Xaa Pro Lys Arg Xaa Xaa Asn
1 5 10 15

Thr Ala Cys Thr Ser Gln Arg Lys Ile Gln Asn Thr Thr Gln Xaa Ser
20 25 30

Xaa Thr Glu Glu Xaa Phe Pro Pro Thr Xaa Thr Pro Gly Leu His Gln
35 40 45

Pro Asn Xaa Thr Xaa Val Gly Phe Gly Phe Asp Ser Gln Xaa Val Leu
50 55 60

Cys Trp Leu Gln Arg Ile Asp Xaa Leu Asp Gly Xaa
65 70 75

<210> 1819

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1819

Arg Met Phe Leu Leu Pro Lys Asn Val Lys Pro Thr Met Glu Asp Trp
1 5 10 15

Gly Arg Gly Gly Met Lys Tyr Lys Ile Met Ile Ile Tyr Thr Glu Leu
20 25 30

Gly Phe Phe Met Phe Cys Lys Lys Val Phe Ile Ser
35 40

<210> 1820

<211> 36

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1820

Xaa Ser Gly Ile Gly Arg Gly Ala Leu Arg Leu Lys Ser Phe Thr Ser
1 5 10 15

Glu Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa
20 25 30

Lys Lys Xaa Xaa
35

<210> 1821

<211> 32

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1821

Xaa Asn Thr Leu Xaa Gly Val Lys Met Lys Ile Xaa Thr Gln Asp Met
1 5 10 15

Asn Ile Phe Ser Cys Asn Leu Thr Ile Lys Ala Phe Ser His Thr Xaa
20 25 30

<210> 1822

<211> 39

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1822
Gly Xaa Gly Xaa Asn Pro Ala Ser Thr Lys Asn Thr Lys Lys Lys Lys
1 5 10 15
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys
20 25 30
Lys Lys Xaa Lys Xaa Xaa Xaa
35

<210> 1823
<211> 118
<212> PRT
<213> Homo sapiens

<220>
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 <222> (23)
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<220>
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 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1823

Xaa	Asn	Xaa	Ser	Ile	Thr	His	Cys	Thr	His	Gln	Gly	Lys	Pro	Gly	Tyr
1				5					10					15	

Ala	Xaa	Gln	Val	Thr	Gly	Xaa	Gly	Asn	Ser	Arg	Val	Asp	Pro	Arg	Val
			20					25					30		

Arg	Pro	Arg	Val	Arg	Pro	Arg	Val	Arg	Pro	Arg	Val	Arg	Ser	Cys	His
	35					40						45			

Asp	Leu	Tyr	Leu	Met	Val	Phe	Ile	Ser	Arg	Val	His	Leu	Arg	Glu	Ala
50						55					60				

Thr	Leu	Ser	Ser	Arg	Ala	Gln	Met	Glu	Arg	Arg	Phe	Cys	Ala	Val	Gly
65					70					75					80

Ser	Xaa	Leu	Pro	Arg	Ser	Gly	Val	Arg	Glu	Glu	Asn	Tyr	Pro	Ala	Gly
				85						90				95	

Phe	Asn	Leu	Phe	His	Pro	Val	Cys	Ser	Pro	Gly	Val	Ala	Ser	Ala	Leu
		100							105					110	

Arg	Thr	Ile	Arg	Phe	Thr
		115			

<210> 1824
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1824
Asp Gln Gly Cys Ser Val Arg Ala Pro Pro Arg His Asp Phe Leu Gln
1 5 10 15
Leu Ser Pro Val Val Gly His Val Val Leu Arg Arg Pro Gly Arg Arg
20 25 30
Leu Arg Gly Val Leu Gly Arg Gly Ser Pro Phe Ala Arg Pro Ala Phe
35 40 45
Thr Gly Ala Pro Ala Ala Ala Tyr Pro Xaa Pro Pro Pro Ala Leu
50 55 60
Cys Pro Arg Pro Pro Arg Gly Pro Thr Xaa Val Xaa Lys Xaa Gly Val
65 70 75 80

Leu Asn Arg Xaa Xaa Thr Gly Cys Trp Ala Gly Asn Glu Glu Ala
85 90 95

<210> 1825

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1825

Xaa Tyr Ser Glu Ser Xaa Tyr Asn Ser Leu Ala Val Val Leu Gln Pro
1 5 10 15

Arg

<210> 1826

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1826

Thr	Cys	Arg	Ala	Leu	Leu	Arg	Arg	Xaa	Ala	Val	Phe	Gln	Pro	Ser	Pro
1				5				10					15		

Asn	Ala	Phe	Phe	Arg	Cys	Val	Ser	Glu	Asp	Leu	Gly	Phe	Ala	Val	Leu
		20						25					30		

Xaa	Thr	Gln	Leu	Met	Leu	Xaa	Xaa	Leu	Arg	Phe	Thr	Gly	Phe	Ile	Thr
		35					40					45			

Val	Gly	Ile	Thr	Pro	Lys	Ala	Ser	Pro	Leu	His	Val	Thr	Glu	His	Val
	50					55					60				

Leu	Asn	Gln	Arg	Ser
65				

<210> 1827

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1827
 Gly Glu Ala Phe Gly Ser Thr Leu Trp Asp Gly Pro Trp Arg Ala Leu
 1 5 10 15
 Pro Xaa Xaa Xaa Gly Trp Arg Arg Lys Arg Pro Ile Trp Gly Trp Gly
 20 25 30
 Pro Pro Ser Pro Trp Asn Xaa Ser Gly Ser Asp Ala Trp Cys Ala Trp
 35 40 45
 Ser Thr Arg Glu Leu Val Arg Asp Val Ala Lys Met Leu Pro Thr Leu
 50 55 60
 Gly Gly Glu Arg Lys Gly Ser Pro Arg Ile Leu Pro Arg Xaa Pro Pro
 65 70 75 80
 Arg Lys Leu Gly Xaa Leu Phe Leu Pro Gly Ala Gln Gly Thr His Tyr
 85 90 95
 Leu Xaa Pro Pro Xaa Val Trp Ala Gln Thr Arg Phe Pro Xaa Thr Xaa
 100 105 110
 Gln Xaa Leu Leu Ala Ser Pro Phe Pro Xaa Xaa Lys Lys Lys Gln Lys
 115 120 125
 Gly Gly Gly Lys Lys Arg Gly Xaa Leu Gly Gly Pro Phe Lys Gly Pro
 130 135 140
 Pro Xaa Xaa Arg Phe Pro Phe Leu Lys Ile Gly Lys Asn Pro Xaa Gly
 145 150 155 160
 Val Pro Ser Ser Pro Pro Phe
 165

<210> 1828
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1828
Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg
1 5 10 15
Arg Xaa Val Xaa Asn Xaa Xaa
20

<210> 1829
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1829

Xaa	Arg	Xaa	Lys	His	Met	Xaa	Phe	Xaa	Phe	Xaa	Leu	Thr	Leu	Xaa	Leu
1				5				10						15	

Pro	Thr	Ser	Xaa	Pro	Glu	Gln	His	Xaa	Ser	Cys	Phe	Asp	Thr	His	Leu
			20					25					30		

His	Leu	Tyr
		35

<210> 1830

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1830
Pro Arg Ser Pro Arg Val Leu His His Val Ser Val Leu Trp Gly Gly
1 5 10 15
Ser Lys Gly Pro Trp Ser Trp Pro Arg Pro Arg His Arg Glu Arg Leu
20 25 30
Asp Phe Leu Ser Leu Cys Ala Glu Xaa Leu Arg Trp Arg Pro Leu Ser
35 40 45
Leu Thr Gln Gln Leu Lys His Thr Ile Ser Gly Ser Xaa Trp Leu Pro
50 55 60
His Pro Leu Xaa Cys Pro Leu Xaa Ser Xaa
65 70

<210> 1831
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids